

>sp|P30301|MIP_HUMAN Lens fiber major intrinsic protein OS=Homo sapiens OX=9606
GN=MIP PE=1 SV=1

MWELRSASFWRIFAFFATLFYVFFGLGSSLRWAPGPLHVLQVAMAFGLALATLVQSVG
HISGAHVNPVTF AFLVGSQMSLLRAFCYMAAQLLGAVAGAAVLYSVTPPAVRGNLALNT
LHPAVSVGQATTVEIFLTQLQFVLCIFATYDERRNGQLGSVALAVGFSALGHLFGMYTGT
AGMNPARSFAPAILTGNFTNHVVYVWGPIIGGGLGSLLYDFLLFPRLKSISERLSVLKGA
KPDVSNGQPEVTGEPVELNTQAL

>sp|P02489|CRYAA_HUMAN Alpha-crystallin A chain OS=Homo sapiens OX=9606 GN=CRYAA
PE=1 SV=2

MDVTIQHPWFKRTLGPFPYPSRLFDQFFGEGLEFYDLLPFLSSTISPYRQSLFRTVLDSG
ISEVRSDRDKVFIFLDVKHFSPEDLTVKVQDDFVEIHGKHNERQDDHGYISREFHRRYRL
PSNVDQSALSCSLADGMLTFCGPKIQTGLDATHAERAIPVSREEKPTSAPSS

>sp|P02511|CRYAB_HUMAN Alpha-crystallin B chain OS=Homo sapiens OX=9606 GN=CRYAB
PE=1 SV=2

MDIAIHHPWIRRPFFPFHSPSRLFDQFFGEHLLESDFPTSTSLSPFYLRPPSFLRAPSW
FDTGLSEMRLEKDRFSVNLDVKHFSPEELKVVLGDVIEVHGKHEERQDEHGFISREFHR
KYRIPADVDPITITSSLDGVLTVNGPRKQVSGPERTIPITREEKPAVTAAPKK

>sp|P53674|CRBB1_HUMAN Beta-crystallin B1 OS=Homo sapiens OX=9606 GN=CRYBB1 PE=1
SV=2

MSQAAKASASATVAVNPGPDTKGKGAPPAGTSPSPGTTLAPTTVPITSAKAAELPPGNRYR
LVVFELENFQGRRAEFSGECSNLADRGFDRVRSIIVSAGPWVAFEQSNFRGEMFILEKGE
YPRWNTWSSSYRSDRLMSFRPIKMDAQEHKISLFEGANFKGNTIEIQGDDAPSLWVYGFS
DRVGSVKVSSGTWVGYYQYPGYRGYQYLLEPGDFRHWNEWGAFQPMQSLRRLRDKQWHLE
GSFPVLATEPPK

>sp|P53673|CRBA4_HUMAN Beta-crystallin A4 OS=Homo sapiens OX=9606 GN=CRYBA4 PE=1
SV=3

MTLQCTKSAGPWKMVVWDEDFGQRRHEFTAECPSVLELGFETVRSLKVLSGAWVGFEEHA
GFQGQQYILERGEYPSWDAWGGNTAYPAERLTSFRPAACANHRDSRLTIFEQENFLGKKG
ELSDDYPSLQAMGWEGNEVGSFHVHSGAWVCSQFPGYRGFYVLECDHHSGDYKHFREWG
SHAPTFQVQSIRRIQQ

>sp|P05813|CRBA1_HUMAN Beta-crystallin A3 OS=Homo sapiens OX=9606 GN=CRYBA1 PE=1
SV=4

METQAEQQELETLPPTKMAQTNPPTGSLGPWKITIYDQENFQGKRMEFTSSCPNVSERF
DNVRSLKVESGAWIGYEHTSFCGQQFILERGEYPRWDWGSNAYHIERLMSFRPICSAN
HKESKMTIFEKENFIGRQWEISDDYPSLQAMGWFNNEVGSMKIQSGAWVCYQYPGYRGYQ
YILECDHHGGDYKHWREWGSHAQTSQIQSIRRIQQ

>sp|P43320|CRBB2_HUMAN Beta-crystallin B2 OS=Homo sapiens OX=9606 GN=CRYBB2 PE=1
SV=2

MASDHQTQAGKPQSLNPKIIIFEQENFQGHSHELNGPCPNLKETGVEKAGSVLVQAGPWV
GYEQANCKGGEQVFVEKGEYPRWDWSSRRDLSLRLPIKVDSQEHKIILYENPNFTGK
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HPQVQSVRRIRDMQWHQRGAFHPSN

>sp|P48165|CXA8_HUMAN Gap junction alpha-8 protein OS=Homo sapiens OX=9606 GN=GJA8
PE=1 SV=3

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CENVCYDEAFPISHIRLWVLQIIFVSTPSLMYVGHAVHYVRMEEKRKSREAEELGQQAGT
NGGPDQGSVKKSSGSGKTKFRLEGTLRLTYICHIIFKTLFEVGFIVGHYFLYGFRILPL
YRCSRWPCPNVDCFVSRPTEKTIFILFMLSVASVSLFLNVMELGHLGLKGIRSALKRPV
EQPLGEIPEKSLHSIAVSSIQKAKGYQLLEEEKIVSHYFPLTEVGMVETSPLPAKPFNQF
EEKISTGPLGLDSRGYQETLPSYAQVGAQEVEGEGPPAEEGAEPVGEKKEEAERLTTEE
QEKVAVPEGEKVETPGVDKEGEKEEPPQSEKVSQGLPAEKTPSLCPELTDDARPLSRLS
KASSRARSDDLTV

>sp|P22914|CRYGS_HUMAN Gamma-crystallin S OS=Homo sapiens OX=9606 GN=CRYGS PE=1
SV=4

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ILPQGEYPEYQRWMGLNDRLLSSCRAVHLPSGGQYKIQIFEKGDFSGQMYETTEDCPSIME
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>sp|P00558|PGK1_HUMAN Phosphoglycerate kinase 1 OS=Homo sapiens OX=9606 GN=PGK1
PE=1 SV=3

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NLRHFVVEEGKGKDasGNKVKAEPKIEAFRASLSKLGDVYVNDAFGTAHRAHSSMVGVN
LPQKAGGFLMKKELNYFAKALESPPERPFLAILGGAKVADKIQLINNMLDKVNEMIIGGGM
AFTFLKVLNNMEIGTSLFDEEGAKIVKDLMSKAENGVKITLPVDFVTADKFDENAKTGQ
ATVASGIPAGWMGLDCGPESKKYAEAVTRAKQIVWNGPVGVFWEAFARGTKALMDEVV
KATSRGCITIIGGDTATCCAKWNTEDEKVSHTVSTGGGASLELLEGKVLPGVDALSN

>sp|Q03135|CAV1_HUMAN Caveolin-1 OS=Homo sapiens OX=9606 GN=CAV1 PE=1 SV=4

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ILSFLHIWAVVPCIKSFLIEIQCISRVYSIYVHTVCDPLFEAVGKIFSNVRINLQKEI

>sp|Q12934|BFSP1_HUMAN Filensin OS=Homo sapiens OX=9606 GN=BFSP1 PE=1 SV=3

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DEFRSKYENECECQLLLKEMLERLNKEADEALLHNLRLQLEAQFLQDDISAAKDRHKKNL
LEVQTYISILQQIIHTTPASIVTSGMREEKLLTEREVAALRSQLEEGREVLSHLQAQRV
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PLTQEGAPEDVPDGGQISKGFGKLYRKVKEKVRSPKEPETELYTKERHVLVTGDANYV
DPRFYVSSITAKGGVAVSVAEDSVLYDGQVEPSPESPKPLENGQVGLQEKEDGQPIDQQ
PIDKEI EPDGAEELEGPEEKREGEERDEESRRPCAMVTPGAEEPSIPEPPKPAADQDGAEV
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GEKSS

>tr|Q14CA1|Q14CA1_HUMAN NRCAM protein OS=Homo sapiens OX=9606 GN=NRCAM PE=2
SV=1

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YQCTARNERGAASNNIVVRPSRSPLWTKEKLEPITLQSGQSLVLPKRPPIGLPPIIFW

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AKSSRERPPTFLTPEGNASNKEELRGNVLSLECIAEGLPTPIIYWAKEDGMLPKNRTVYK
NFEKTLQIIHVSEADSGNYQCIKNAIGAIHHTISVRVKAAPYWITAPQNLVLSPGEDGT
LICRANGNPKPRISWLTNGVPIEAPDDPSRKIDGDTIIFSNVQERSSAVYQCNASNEYG
YLLANAFVNVLAEPAPRILTPANTLYQVIANRPALLDCAFFGSPLPTIEWFKGAKGSALHE
DIYVLHENGTLIPVAQKDSTGTYTCVARNKLGMAKNEVHLEIKDATWIVKQPEYAVVQR
GSMVSFECKVKHDHTLSLTVLWLKDNRELPSDERFTVDKDHLLVADVSDDDSGTYTCVAN
TTLDSVSASAVLSVVAPTPTAPVYDVPNPPFDLELTDQLDKSVQLSWTPGDDNNNSPITK
FIIYEDAMHKPGLWHHQTEVSGTQTTAQLKLSPVYVNSFRVMAVNSIGKSLPSEASEQY
LTKASEPDKNPTAVEGLGSEPDNLVITWKPLNGFESNGPGLQYKVSQRQKDGDDDEWTSVV
VANVSKYIVSGTPTFPYLIKVQALNDMGFAPEPAVVMGHSGEDLPMVAPGNVRVNVVNS
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PFSHYTLNVRVVGKGEPPASDRVFNTPEGVPSAPSSLKIVNPTLDSLTLLEWDPPSHPN
GILTEYTLKYQPINSTHELGPLVDLKIPANKTRWTLKNLNFSTRYKFYFYAQTSAGSGSQ
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DAHADPEIQPMKEDDGTGFEYSDAEDHKPLKKSRTPSDRTVKKEDSDDSLVDYGEVNG
QFNEDGSFIGQYSGKKEKEPAEGNESSEAPSPVNAMNSFV
>sp|Q00796|DHSO_HUMAN Sorbitol dehydrogenase OS=Homo sapiens OX=9606 GN=SORD
PE=1 SV=4

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IVKKPMVLGHEASGTVEKVGSSVKHLKPGDRVAIEPGAPRENDEFCKMGRYNLSPSIFFC
ATPPDDGNLCRFYKHNAAFCYKLDPDNTFEEGALIEPLSVGIHACRRGGVTLGHKVLVCG
AGPIGMVTLLVAKAMGAAQVVVTDLSATRLSKAKEIGADLVLQISKESPQEIARKVEGQL
GCKPEVTIECTGAEASIQAGIYATRSGGNLVVLGSEMTTVPLLHAAIREVDIKGVFRY
CNTWPVAISMLASKSVNVKPLVTHRFPLEKALEAFETFKKGLGLKIMLKCDPSDQNP
>sp|Q9ULX7|CAH14_HUMAN Carbonic anhydrase 14 OS=Homo sapiens OX=9606 GN=CA14
PE=1 SV=1

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SEHQINSEATFAELHIVHYDSYDSLSEAERPQGLAVLGILIEVGETKNIAYEHILSH
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>sp|Q13515|BFSP2_HUMAN Phakinin OS=Homo sapiens OX=9606 GN=BFSP2 PE=1 SV=1
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IQAGADDFKERYENEQPFRAAEEEEINSLYKVIDEANLTKMDLESQIESLKEELGSLSRN
YEEDVKLLHKQLAGCELEQMDAPIGTGLDDILETIRIQWERDVEKNRVEAGALLQAKQQA
EVAHMSQTQEEKLAAALRVELHNTSCQVQSLQAETESLRALKRGLNTLHDAKHWHDMEL
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>sp|Q14254|FLOT2_HUMAN Flotillin-2 OS=Homo sapiens OX=9606 GN=FLOT2 PE=1 SV=2
MGNCHTVGPNEALVVSGCCGSDYKQYVFGGWAWAWWCISDTQRISLEIMTLQPRCEDVE
TAEGVALTVTGVAQVKIMTEKELLAVACEQFLGKNVQDIKNVVLQTLLEGHLRSILGLTV

EQIYQDRDQFAKLVREVAAPDVGRMGIEILSFTIKDVYDKVDYLSSLGKTQTAVVQRDAD
IGVAEAERDAGIREAECKKEMLDVKFMADTKIADSKRAFELQKSAFSEEVNIKTAEAQLA
YELQGAREQQKIRQEEIEIEVVQRKKQIAVEAQEILRTDKELIATVRRPAEAEAHRIQQI
AEGEKVKQVLLAQAEAEKIRKIGEAEEAAVIEAMGKAEAEERMKLKAEAYQKYGDAAKMALV
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KKATGVQV

>sp|P68032|ACTC_HUMAN Actin, alpha cardiac muscle 1 OS=Homo sapiens OX=9606
GN=ACTC1 PE=1 SV=1

MCDDEETTALVCDNGSGLVKAGFAGDDAPRAVFPISVGRPRHQGVMVGMGQKDSYVGDEA
QSKRGILTLYPIEHGIITNWDDMEKIWHHTFYNELRVAPEEHPTLLTEAPLNPKANREK
MTQIMFETFNPAMYVAIQAVLSLYASGRTTGIVLDSGDGVTHNVPIYEGYALPHAIMRL
DLAGRDLTDYLMKILTERGYSFVTTAEREIVRDIKEKLCYVALDFENEMATAASSSSLEK
SYELPDGQVITIGNERFRCPETLFQPSFIGMESAGIHETTYNSIMKCDIDIRKDLANNV
LSGGTTMYPGIADRMQKEITALAPSTMKIKIIPPERKYSVWIGGSILASLSTFQQMWIS
KQEYDEAGPSIVHRKCF

>sp|P00352|AL1A1_HUMAN Aldehyde dehydrogenase 1A1 OS=Homo sapiens OX=9606
GN=ALDH1A1 PE=1 SV=2

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DKAVKAARQAFQIGSPWRTMDASERGRLLYKLADLIERDRLLLATMESMNGGKLYSNAYL
NDLAGCIKTLRYCAGWADKIQGRTIPIDGNFFTYTRHEPIGVCGQIIPWNFPLVMLIWKI
GPALSCGNTVVVKPAEQTPLTALHVASLIKEAGFPFPGVVNIVPGYGPTAGAAISSHMDID
KVAFTGSTEVGKLIKEAAGKSNLKRVTLELGGKSPCIVLADADLDNAVEFAHHGVFYHQG
QCCIAASRIFVEESIYDEFVRRSVERAKKYILGNPLTPGVTQGPQIDKEQYDKILDIES
GKKEGAKLECGGPWGNKGYFVQPTVFSNVTDEMRIAKEEIFGPVQQIMKFKSLDDVIKR
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>sp|P05023|AT1A1_HUMAN Sodium/potassium-transporting ATPase subunit alpha-1
OS=Homo sapiens OX=9606 GN=ATP1A1 PE=1 SV=1

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TEEEPQNDNLYLGVVLSAVVIITGCFSYQAEKSSKIMESFKNMVPQQALVIRNGEKMSI
NAEEVVVDLVEVKGGDRIPADLRIISANGCKVDNSSLTGESEPQTRSPDFTNENPLETR
NIAFFSTNCVEGTARGIVVYTGDRVTMGRIATLASGLEGGQTPIAAEIEHFIHITGVAV
FLGVSFILSLILEYTWLEAVIFLIGIIVANVPEGLLATVTVCLTLTAKRMARKNCLVKN
LEAVETLGSTSTICSDKTGTLTQNRMTVAHMMWFDNQIHEADTTENQSGVSFDKTSATWLA
LSRIAGLCNRAVFQANQENLPILKRAVAGDASESALLKCIELCCGSVKEMRERYAKIVEI
PFNSTNKYQLSIHKNPNTSEPQHLLVMKGAPERILDRCSSILLHGKEQPLDEELKDAFQN
AYLELGGLGERVLGFCHFLPDEQFPEGFQFDTDDVNFIDNLCFVGLISMIDPPRAAVP
DAVGKCRSAGIKVIMVTGDHPITAKAIAGVGIISEGNETVEDIAARLNIPVSQVNPRDA
KACVVHGSCLKDMTSEQLDDILKYHTEIVFARTSPQQKLIIVEGCQRQGAIVAVTGDGVN
DSPALKKADIGVAMGIAGSDVSKQAADMILLDDNFASIVTGVEEGRIFDNLKKSIAATL
TSNIPEITPFLIFIANIPLPLGTVTILCIDLGTDMVPAISLAYEQAESDIMKRQPRNPK
TDKLVNERLISMAYGQIGMIQALGGFFTYFVILAENGFLPIHLLGLRVDWDDRWINDDVED
SYGQQWQTYEQRKIVEFTCHTAFFVSIVVVQWADLVICKTRRNSVFQQGMKNKILIFGLFE

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>tr|B4DXX3|B4DXX3_HUMAN Aldehyde dehydrogenase 1A1 OS=Homo sapiens OX=9606 PE=2 SV=1

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EQTPLTALHVASLIKEAGFPFPGVVNIVPGYGPTAGAAISSHMDIDKVAFTGSTEVGKLIK
EAAGKSNLKRVTLELGGKSPCIVLADADLDNAVEFAHHGVFYHQGCCIAASRIFVEESI
YDEFVRRSVERAKYILGNPLTPGVTQGPQIDKEQYDKILDIESGKKEGAKLECGGGPW
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>sp|P13637|AT1A3_HUMAN Sodium/potassium-transporting ATPase subunit alpha-3 OS=Homo sapiens OX=9606 GN=ATP1A3 PE=1 SV=3

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GVAMGIAGSDVSKQAADMILLDDNFASIVTGVEEGRILFDNLKKSIAVTLTSNIPEITPF
LLFIMANIPLPLGTITILCIDLGTDMVPAISLAYEAAESDIMKRQPRNPRTDKLVNERLI
SMAYGQIGMIQALGGFFSYFVILAENGFLPGNLVGIRLNWDDRTVNDLEDSYGQQWTYEQ
RKVVFTCHTAFFVSIVVVQWADLIICKTRRNSVFQQGMKNKILIFGLFEETALAAFLSY
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>sp|Q9Y6H8|CXA3_HUMAN Gap junction alpha-3 protein OS=Homo sapiens OX=9606 GN=GJA3 PE=1 SV=4

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DASEAPLGTADPPPLPPSSRPPAVAIGFPYYAHTAAPLGQARAVGYPGAPPPAADFKLL
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>sp|P07320|CRGD_HUMAN Gamma-crystallin D OS=Homo sapiens OX=9606 GN=CRYGD PE=1 SV=3

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GDYADHQQWMGLSDSVRSCLIPHSGSHRIRLYEREDYRGQMIEFTEDCSCLQDRFRFNE

IHSLNVLEGSWVLYELSNYRGRQYLLMPGDYRRYQDWGATNARVGSRLRRVIDFS

>sp|Q14203|DCTN1_HUMAN Dynactin subunit 1 OS=Homo sapiens OX=9606 GN=DCTN1 PE=1 SV=3

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GDHDCVLVLLLMPRLICKAELIRKQAEKFELSENC SERPGLRGAAGEQLSFAAGLVYSL
SLLQATLHRYEHALSQCSVDVYKKVGS LYP EMSAHERSLDFLIELLHKDQLDET VNVEPL
TKAIKYYQHLYSIHLAEQPEDCTMQLADHIKFTQSALDCMSVEVGR LRAFLQGGQEATDI
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VPGPGLVKDSPLLLQQISAMRLHISQLQHENSILKGAQMKASLASLPPLHVAKLSHEGPG
SELPAGALYRKTSQLETLNQLSTHTHVVDITRTSPA AKSPSAQLMEQVAQLKSLSDTVE
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>sp|P48637|GSHB_HUMAN Glutathione synthetase OS=Homo sapiens OX=9606 GN=GSS PE=1 SV=1

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LGLNRSDYMFQRSADGSPALKQIEINTISASFGGLASRTPAVHRHVLSVLSKTKEAGKIL
SNNPSKGLALGIAKAWELYGSPNALVLLIAQE KERNIFDQRAIENELLARNIHVIRRTFE
DISEKGS LDQDRRLFVDGQEIAVVYFRDGYM PRQYSLQNWEARLLERSHA AKCPDIATQ
LAGTKKVQQELSRPGMLEMLPGQPEAVARLRATFAGLYSLDVGEEDQAI AEALAAPSR
FVLKPQREGGGNNLYGEEMVQALKQLKDSEERASYILMEKIEPEPFENCLLRPGSPARVV
QCISELGIFGVYVRQEKTLMVNKHVGHLLRTKAIEHADGGVAAGVAVLDNPYPV

>sp|Q6UWM7|LCTL_HUMAN Lactase-like protein OS=Homo sapiens OX=9606 GN=LCTL PE=1 SV=2

MKPVVVATLLWMLLLVPRLGAARKGSPEEASFYYGTFPLGFSWGVGSSAYQTEGAWDQDG
KGPSIWDVFTHSGKGKVLGN ETADVACDGYK VQEDIILLRELHVNHYRFSLSWPRLLPT
GIRAEQVNKKGIEFYSDLIDALLSSNITPIVTLHHWDL PQLLQVKYGGWQNVSMANYFRD
YANLCFEAFGDRVKHWITFS DPRAMA EKG YETGHHAPGLKLRGTGLYKAAHHIIKAHAKA
WHSYNTTWRSKQQGLVGISLNC DWGEPVDISNPKDLEAAERYLQFCLGWFANPIYAGDYP
QVMKDYIGRKSAEQGLEMSRLPVFSLQE KSYIKGTSDFLGLGHFTTRYITERNYPSRQGP
SYQNDRDLIELVDPNWPDLGSKWLYSVPWGFRRLLNFAQTQYGDPIIYVMENGASQKFHC

TQLCDEWRIQYLKGYINEMLKAIKDGANIKGYTSWSLLDKFEWEKGYSDRYGFYYVEFND
RNKPRYPKASVQYYKKIIIANGFPNPREVESWYLKALETCSINNQMMLAAEPLLSHMQMVT
EIVVPTVCSLCVLITAVLLMLLLRRQS

>sp|Q92823|NRCAM_HUMAN Neuronal cell adhesion molecule OS=Homo sapiens OX=9606
GN=NRCAM PE=1 SV=3

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VDELNDTIAANLSDTEFYGAKSSRERPPTFLTPEGNASNKEELRGNVLSLECIAEGLPTP
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PYWITAPQNLVLSPGEDGTLICRANGNPKPRISWLTNGVPIEAPDDPSRKIDGDTIIFS
NVQERSSAVYQCNASNEYGYLLANAFVNVLAEPRIPTANTLYQVIANRPALLDCAFFG
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QYKVSWRQKDGDDDEWTSVVANVSKYIVSGTPTFPYLIKVQALNDMGFAPEPAVVMGHS
GEDLPMVAPGNVRVNVVNSTLAEVHWDVPVPLKSIRGHLQGYRIYYWKTQSSSKRNRRIE
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YANISWEYEGPEHVNIFYVEYGVAGSKEEWRKEIVNGSRSFGLKGLMPGTAYKVRVGAVG
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>sp|P55064|AQP5_HUMAN Aquaporin-5 OS=Homo sapiens OX=9606 GN=AQP5 PE=1 SV=1
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GPVSGGHINPAITLALLVGNQISLLRAFFYVAAQLVGAIAGAGILYGVAPLNARGNLAVN
ALNNNTTQGGAMVVELILTFQLALCIFASTDSSRTSPVGSPALSIGLSVTLGHLVGIYFT
GCSMNPARSFGPAVVMNRFSPAHHWVFWVGPIVGAVLAAILYFYLLFPNSLSLSERVAIIK
GTYPDEDWEEQREERKKTMELTTR

>sp|P30041|PRDX6_HUMAN Peroxiredoxin-6 OS=Homo sapiens OX=9606 GN=PRDX6 PE=1
SV=3

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FAKRNVKLIALSIDSVEDHLAWSKDINAYNCEEPTKLPFPIIDDRNRELAILLGMLDPA
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WKDGDSVMVLPTIPEEEAKKLFPGKVFTKELPSGKKYLRYPQP

>sp|P60709|ACTB_HUMAN Actin, cytoplasmic 1 OS=Homo sapiens OX=9606 GN=ACTB PE=1
SV=1

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QIMFETFNTPAMYVAIQAVLSLYASGRTTGIVMDSGDGVTHTVPIYEGYALPHAILRLDL

AGRDLTDYLMKILTERGYSFTTTAEREIVRDIKEKLCYVALDFEQEMATAASSSSLEKSY
ELPDGQVITIGNERFRCPEALFQPSFLGMESCGIHETTFNSIMKCDVDIRKDLANTVLS
GGTTMYPGIADRMQKEITALAPSTMKIKIIPPERKYSVWIGGSILASLSTFQQMWISKQ
EYDESGPSIVHRKCF

>sp|P11166|GTR1_HUMAN Solute carrier family 2, facilitated glucose transporter member 1
OS=Homo sapiens OX=9606 GN=SLC2A1 PE=1 SV=2

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LPWMSYLSIVAIFGFVAFFEVGPGPIPWFIWAELFSQGPRPAAIAVAGFSNWTSNFIVGM
CFQYVEQLCGPYVFIIFTVLLVFFIFTYFKVPETKGRTFDEIASGFRQGGASQSDKTPE
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>sp|O75955|FLOT1_HUMAN Flotillin-1 OS=Homo sapiens OX=9606 GN=FLOT1 PE=1 SV=3

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YKDRQKFSEQVFKVASSDLVNMGISVVSYTLKDIHDDQDYLHSLGKARTAQVQKDARIGE
AEAKRDAGIREAKAKQEKVSAQYLSEIEMAKAQRDYELKKAAYDIEVNTRRAQADLAYQL
QVAKTKQQIEEQRVQVQVVERAQQVAVQEQEIARREKELEARVRKPAAERYKLERLAEA
EKSQIMQAEAEAASVRMRGEAEFAIGARARAEAEQMAKKAEAFQLYQEAQQLDMLEK
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HKPLRTA

>sp|P53672|CRBA2_HUMAN Beta-crystallin A2 OS=Homo sapiens OX=9606 GN=CRYBA2 PE=1
SV=3

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PDFQGGQQFILEKGDYPRWSAWSGSSSHNSNQLLSFRPVLCANHNSRVTLFEGDNFQGCK
FDLVDDYPSLPSMGWASKDVGSLKVSSGAWVAYQYPGYRGYQYVLERDRHSGEFCTYGE
GTQAHTGQLQSIRRVQH

>sp|P04406|G3P_HUMAN Glyceraldehyde-3-phosphate dehydrogenase OS=Homo sapiens
OX=9606 GN=GAPDH PE=1 SV=3

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KAENGKLVINGNPITIFQERDPSKIKWGDAGAEYVVESTGVFTTMEKAGAHLQGGAKRVI
ISAPSADAPMFVMGVNHEKYDNSLKIISNASCTTNCLAPLAKVIHDNFGIVEGLMTTVHA
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>sp|P35237|SPB6_HUMAN Serpin B6 OS=Homo sapiens OX=9606 GN=SERPINB6 PE=1 SV=3

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LDFISAVEKSRKHINTWVAEKTEGKIAELLSPGSVDPLTRLVLVNAVYFRGNWDEQFDKE
NTEERLFKVSKEEKPVQMMFKQSTFKKTYIGEFTQILVLPYVGKELNMIIMLPDET
LRTVEKELTYEKFVEWTRLDMMDEEEVEVSLPRFKLEESYDMESVLRNLGMDAFELGKA

DFSGMSQTDLSLSKVHKSFVEVNEEGTEAAAATAAIMMMRCARFVPRFCADHPFLFFIQ
HSKTNGILFCGRFSSP

>sp|O00410|IPO5_HUMAN Importin-5 OS=Homo sapiens OX=9606 GN=IPO5 PE=1 SV=4

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VAQTIPQMLAMMVDLEEDWDWANADELEDDDFDSNAVAGESALDRMACGLGGKLVLP
MIK
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ISYIMISAWARMCKILGKEFQQYLPVVMGMLMKTASIKPEVALDQTQDMENMSDDDGW
FEV
NLGDQQSFGIKTAGLEEKSTACQMLVCYAKELKEGFVEYTEQVVKLMVPLLKFYFHDGVR
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EVM
GDGCLNNEHFEELGGILKAKLEEHFKNQELRQVKRQDEDDYDEQVEESLQDEDDNDV
YILT
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ASF
KYAEYFLRPMQLQYVCDNSPEVRQAAAYGLGVMAQYGGDNYPFCTEALPLLVRV
IQSADS
KTKENVNATENCISAVGKIMKFKPDCVNVEEVLPHWLSWLPLHEDKEEAVQTFN
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CIA
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>sp|P63000|RAC1_HUMAN Ras-related C3 botulinum toxin substrate 1 OS=Homo sapiens
OX=9606 GN=RAC1 PE=1 SV=1

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QEDYDRLRPLSYPTDVFLLICFSLVSPASFENVRAKWYPEVRHHCPNTPHILVGTKDLR
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PVKKRKRKCLLL

>sp|O43491|E41L2_HUMAN Band 4.1-like protein 2 OS=Homo sapiens OX=9606 GN=EPB41L2
PE=1 SV=1

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QEDKLEGGAAKRETKEVQTNELKAEKASQKVTKKTKTVQCKVTLLDGTEYSCDLEKHAKG
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LGVCANGLLIYKDLRINRFAWPKILKISYKRSNFYIKVRPAELEQFESTIGFKLPNHRA
AKRLWKVCVEHHTFYRLVSPEQPPKAKFTLTGSKFRYSGRTQAQTRQASTLIDRPAPHFE
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T
KAPHLQIEGKKNSLRVEGDNIYVRHSNLMLEELDKAQEDILKHQASISELKRNFME
STP
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GEIRKVEPVTQKDSTLSSESSSSSSSEEEEDVGEYRPHHRVTEGTIREEQEYEEEEVEE
E
PRPAKVVEREEAVPEASPVTTQAGASVITVETVIQENVGAQKIPGEKSVHEGALKQDMGE

EAEERPQKVNGEVSHVDIDVLPQIICCSEPPVVKTEMVTISDASQRTEISTKEVPIVQTE
TKTITYESPQIDGGAGGDSGTLTQAQTITSESVSTTTTTHITKTVKGGISETRIEKRIVI
TGDGDIDHDQALAAQAREAREQHPDMSVTRVVVHKETELAEEGED
>sp|P07315|CRGC_HUMAN Gamma-crystallin C OS=Homo sapiens OX=9606 GN=CRYGC PE=1
SV=2

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GEYPDYQQWMGLSDSIRSCCLIPQTVSHRLRLYEREDHKGLMMESEDCPSIQDRFHLSE
IRSLHVLEGCWVLYELPNYRGRQYLLRPQEYRRCQDWGAMDAKAGSLRRVVDLY
>sp|P16152|CBR1_HUMAN Carbonyl reductase [NADPH] 1 OS=Homo sapiens OX=9606
GN=CBR1 PE=1 SV=3

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QLDIDDLQSIKALRDLRKEYGGDLVLNNAGIAFKVADPTPFHIQAEVTMKTNFFGTRD
VCTELLPLIKPQGRVNVVSSIMSVRALKSCSPELQQKFRSETITEEELVGLMNKFVEDTK
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TKSPEEGAETPVYLALLPPDAEGPHGQFVSEKRVEQW
>sp|P30086|PEBP1_HUMAN Phosphatidylethanolamine-binding protein 1 OS=Homo sapiens
OX=9606 GN=PEBP1 PE=1 SV=3

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YEQLSGK

>sp|P35222|CTNB1_HUMAN Catenin beta-1 OS=Homo sapiens OX=9606 GN=CTNNB1 PE=1
SV=1

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VKMLGSPVDSVLFYAITTLHNLLHQEGAKMAVRLAGGLQKMVALLNKTNVKFLAITTDC
LQILAYGNQESKLIILASGGPQALVNIMRTYTYEKLLWTTSRVLKVLVSVCSNKP AVEA
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AGILSNLTCNNYKNKMMVCQVGGIEALVRTVLRAGDREDITEPAICALRHLSRHQEAEM
AQNAVRLHYGLPVVVKLLHPPSHWPLIKATVGLIRNLALCPANHAPLREQGAIPRLVQLL
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RMSEDKPQDYKKRLSVELTSSLFRTEPMAWNEDATLGLDIGAQGEPLGYRQDDPSYRSFH
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L

>sp|Q8N3J6|CADM2_HUMAN Cell adhesion molecule 2 OS=Homo sapiens OX=9606
GN=CADM2 PE=2 SV=1

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LGVPEKPQISGFSPVMEGDLMLTCKTSGSKPAADIRWFKNDKEIKDVKYLKEEDANRK
TFTVSSTLDFRVDSDGVAVICRVDHESLNATPQVAMQVLEIHYTPSVKIIPSTPFPQE
GQPLILTCEKSGKPLPEPVLWTKDGGEPLDPDRMVVSGRELNILFLNKTDNGTYRCEATN

TIGQSSAEYVLIVHDPNTLLPTTIIPSLTTATVTTTVAITTSPTTSATTSSIRDPNALA
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>sp|P51149|RAB7A_HUMAN Ras-related protein Rab-7a OS=Homo sapiens OX=9606
GN=RAB7A PE=1 SV=1

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ELYNEFPEPIKLDKNDRAKASAESCSC

>sp|Q53FA7|QORX_HUMAN Quinone oxidoreductase PIG3 OS=Homo sapiens OX=9606
GN=TP53I3 PE=1 SV=2

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AEKLGAAGFNYKKEDFSEATLKFTKGAGVNLILDCIGGSYWEKNVNCALDGRWVLYGL
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>sp|Q9Y2J2|E41L3_HUMAN Band 4.1-like protein 3 OS=Homo sapiens OX=9606 GN=EPB41L3
PE=1 SV=2

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VSPGGVKLEISTKEVPVVHTETKTITYESSQVDPGTDLEPGVLMSAQTTITSETTTT
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TPEDGED

>tr|A4D2P2|A4D2P2_HUMAN Ras-related C3 botulinum toxin substrate 1 OS=Homo sapiens
OX=9606 GN=RAC1 PE=3 SV=1

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CPNTPILVGTKLDRDDKDIEKLKEKLTPTITYPQGLAMAKEIGAVKYLECSALTQRG
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>sp|P07316|CRGB_HUMAN Gamma-crystallin B OS=Homo sapiens OX=9606 GN=CRYGB PE=1 SV=3

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GEYPDYQQWMGLSDSIRSCCLIPPHSGAYRMKIYDRDELRGQMSELTDDCISVQDRFHLT
EIHSLNVLEGSWILYEMPNYRGRQYLLRPGEYRRFLDWGAPNAKVGSLRRVMDLY

>sp|P32754|HPPD_HUMAN 4-hydroxyphenylpyruvate dioxygenase OS=Homo sapiens OX=9606
GN=HPD PE=1 SV=2

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PWVEQDKFGKVKFAVLQTYGDTTHTLVEKMNYIGQFLPGYEAPAFMDPLLKLPKCSLEM
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>sp|P48163|MAOX_HUMAN NADP-dependent malic enzyme OS=Homo sapiens OX=9606
GN=ME1 PE=1 SV=1

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RGLFITIHDRGHASVLNAWPEDVIKAIIVTDGERILGLDGLGCNGMGIPVGKLALYTAC
GGMNPQECLPVILDVGTENEELLKDPLYIGLRQRRVRGSEYDDFLDEFMEAVSSKYGMNC
LIQFEDFANVNAFRLN KYRNQYCTFNDDIQTASVAVAGLLAALRITKNKLS DQTILFQ
GAGEAALGIAHLIVMALEKEGLPKEKAIKKIWLVD SKGLIVKGRASLTQEKEKFAHEHEE
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YKITKGRAIFASGSPFDPVTL PNGQTLYPGQGNNSYVFP GVALGVVACGLRQITDNIFLT
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>sp|P29401|TKT_HUMAN Transketolase OS=Homo sapiens OX=9606 GN=TKT PE=1 SV=3

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QDPRNPHNDRFVLSKGHAAPILYAVWAEAGFLAEAE LLNLRKISSDL DGHVPKQAFTDV
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ILDINRLGQSDPAPLQHQM DIYQKRCEAFGWHA IVDGHSVEELCKAFGQAKHQPTAIIA
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IRMPSLPSYKVGDKIATR KAYGQALAKLGHASDRIIALDGD TKNSTFSEIFKKEHPDRFI
ECYIAEQNMVSIAVGCATRNRTVPFCSTFAAFFTRA FDQIRMAAISESNINLCGSHCGVS
IGEDGPSQMALEDLAMFRSVPTSTVFYPSDGVATEKAVELAANTKGICFIRTSR PENAI
YNNNEDFQVGQAKVVLKSKDDQVTVIGAGVTLHEALAAAELLKKEKINIRVLD PFTIKPL
DRKLILDSARATKGRILTVEDHYE GGI GEAVSSAVVGEPGITVTHLAVNRVPRSGKPAE
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>sp|P55344|LMIP_HUMAN Lens fiber membrane intrinsic protein OS=Homo sapiens OX=9606
GN=LIM2 PE=1 SV=2

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>sp|P00387|NB5R3_HUMAN NADH-cytochrome b5 reductase 3 OS=Homo sapiens OX=9606
GN=CYB5R3 PE=1 SV=3

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F

>sp|Q15413|RYSR3_HUMAN Ryanodine receptor 3 OS=Homo sapiens OX=9606 GN=RYSR3 PE=1
SV=3

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>sp|P20340|RAB6A_HUMAN Ras-related protein Rab-6A OS=Homo sapiens OX=9606
GN=RAB6A PE=1 SV=3

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>sp|P61586|RHOA_HUMAN Transforming protein RhoA OS=Homo sapiens OX=9606 GN=RHOA
PE=1 SV=1

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AGQEDYDRLRPLSYPTDVLIMCFSIDSPDSLENIPEKWTPEVKHFPCNPVPIILVGNKKD
LRNDEHTRRELAKMKQEPVKPEEGRDMANRIGAFGYMECSAKTKDGVREVFEMATRAALQ
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>sp|P62745|RHOB_HUMAN Rho-related GTP-binding protein RhoB OS=Homo sapiens OX=9606
GN=RHOB PE=1 SV=1

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LRSDEHVRTELARMKQEPVRTDDGRAMAVRIQAYDYLECSAKTKEGVREVFETATRAALQ
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>sp|Q71U36|TUBA1A_HUMAN Tubulin alpha-1A chain OS=Homo sapiens OX=9606 GN=TUBA1A
PE=1 SV=1

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>tr|Q6FGX3|Q6FGX3_HUMAN RAB6A protein OS=Homo sapiens OX=9606 GN=RAB6A PE=2
SV=1

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>sp|P13645|K1C10_HUMAN Keratin, type I cytoskeletal 10 OS=Homo sapiens OX=9606
GN=KRT10 PE=1 SV=6

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 >sp|P11171|EPB41_HUMAN Protein 4.1 OS=Homo sapiens OX=9606 GN=EPB41 PE=1 SV=4
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 >sp|P13591|NCAM1_HUMAN Neural cell adhesion molecule 1 OS=Homo sapiens OX=9606
 GN=NCAM1 PE=1 SV=3
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>sp|P09936|UCHL1_HUMAN Ubiquitin carboxyl-terminal hydrolase isozyme L1 OS=Homo sapiens OX=9606 GN=UCHL1 PE=1 SV=2

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>sp|Q99497|PARK7_HUMAN Parkinson disease protein 7 OS=Homo sapiens OX=9606 GN=PARK7 PE=1 SV=2

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SKVTTHPLAKDKMMNGGHYTYSENVEKDGLILTSRPGTSFEFALAIVEALNGKEVAAQ
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>sp|Q9HCJ1|ANKH_HUMAN Mineralization regulator ANKH OS=Homo sapiens OX=9606 GN=ANKH PE=1 SV=2

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FAFAELCVVPLRIFSFPPVPTVRAHLTGWLMTLKKTFVLAPSSVLRIIVLIASLVVLPY
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VTDIVEMREENE

>sp|P31150|GDI1_HUMAN Rab GDP dissociation inhibitor alpha OS=Homo sapiens OX=9606 GN=GDI1 PE=1 SV=2

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>sp|P35908|K22E_HUMAN Keratin, type II cytoskeletal 2 epidermal OS=Homo sapiens OX=9606 GN=KRT2 PE=1 SV=2

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>sp|P50395|GDIB_HUMAN Rab GDP dissociation inhibitor beta OS=Homo sapiens OX=9606
GN=GDI2 PE=1 SV=2

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>sp|P61020|RAB5B_HUMAN Ras-related protein Rab-5B OS=Homo sapiens OX=9606
GN=RAB5B PE=1 SV=1

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>tr|Q14936|Q14936_HUMAN Interferon-gamma receptor alpha chain OS=Homo sapiens
OX=9606 PE=3 SV=1

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VCRDGKIGPPKLDIRKEEKQIMIDIFHPSVFVNGDEQEVDYDPETTCYIRVYNVYVRMNG
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KEFS

>sp|P0CG48|UBC_HUMAN Polyubiquitin-C OS=Homo sapiens OX=9606 GN=UBC PE=1 SV=3

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>sp|A2RU48|SMCO3_HUMAN Single-pass membrane and coiled-coil domain-containing
protein 3 OS=Homo sapiens OX=9606 GN=SMCO3 PE=1 SV=1

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>sp|P68363|TBA1B_HUMAN Tubulin alpha-1B chain OS=Homo sapiens OX=9606 GN=TUBA1B
PE=1 SV=1

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VVEPYNSILTTHTTLEHSDCAFMVDNEAIYDICRRNLDIERPTYTNLNLISQIVSSITA
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>sp|Q93050|VPP1_HUMAN V-type proton ATPase 116 kDa subunit a 1 OS=Homo sapiens
OX=9606 GN=ATP6V0A1 PE=1 SV=3

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>sp|P14923|PLAK_HUMAN Junction plakoglobin OS=Homo sapiens OX=9606 GN=JUP PE=1
SV=3

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>sp|Q15149|PLEC_HUMAN Plectin OS=Homo sapiens OX=9606 GN=PLEC PE=1 SV=3
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SAVA

>sp|Q5TDP6|LGSN_HUMAN Lengsin OS=Homo sapiens OX=9606 GN=LGSN PE=1 SV=1
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>sp|Q86VP6|CAND1_HUMAN Cullin-associated NEDD8-dissociated protein 1 OS=Homo sapiens
OX=9606 GN=CAND1 PE=1 SV=2

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>sp|P10114|RAP2A_HUMAN Ras-related protein Rap-2a OS=Homo sapiens OX=9606
GN=RAP2A PE=1 SV=1

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NIQ

>sp|P11216|PYGB_HUMAN Glycogen phosphorylase, brain form OS=Homo sapiens OX=9606
GN=PYGB PE=1 SV=5

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PRD

>sp|P84077|ARF1_HUMAN ADP-ribosylation factor 1 OS=Homo sapiens OX=9606 GN=ARF1
PE=1 SV=2

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>tr|Q562Z4|Q562Z4_HUMAN Actin-like protein (Fragment) OS=Homo sapiens OX=9606
GN=ACT PE=4 SV=1

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>sp|P07738|PMGE_HUMAN Bisphosphoglycerate mutase OS=Homo sapiens OX=9606
GN=BPGM PE=1 SV=2

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>sp|P35241|RADI_HUMAN Radixin OS=Homo sapiens OX=9606 GN=RDY PE=1 SV=1

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>sp|P54709|AT1B3_HUMAN Sodium/potassium-transporting ATPase subunit beta-3 OS=Homo
sapiens OX=9606 GN=ATP1B3 PE=1 SV=1

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>sp|P62834|RAP1A_HUMAN Ras-related protein Rap-1A OS=Homo sapiens OX=9606
GN=RAP1A PE=1 SV=1

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CLLL

>sp|O94760|DDAH1_HUMAN N(G),N(G)-dimethylarginine dimethylaminohydrolase 1
OS=Homo sapiens OX=9606 GN=DDAH1 PE=1 SV=3

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>sp|O94856|NFASC_HUMAN Neurofascin OS=Homo sapiens OX=9606 GN=NFASC PE=1 SV=4

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>sp|O95490|AGRL2_HUMAN Adhesion G protein-coupled receptor L2 OS=Homo sapiens
OX=9606 GN=ADGRL2 PE=1 SV=2

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>sp|P26038|MOES_HUMAN Moesin OS=Homo sapiens OX=9606 GN=MSN PE=1 SV=3

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>sp|P55786|PSA_HUMAN Puromycin-sensitive aminopeptidase OS=Homo sapiens OX=9606
GN=NPEPPS PE=1 SV=2

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 >sp|Q01484|ANK2_HUMAN Ankyrin-2 OS=Homo sapiens OX=9606 GN=ANK2 PE=1 SV=4
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>sp|Q9H4G0|E41L1_HUMAN Band 4.1-like protein 1 OS=Homo sapiens OX=9606 GN=EPB41L1
PE=1 SV=2
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>sp|P14174|MIF_HUMAN Macrophage migration inhibitory factor OS=Homo sapiens OX=9606
GN=MIF PE=1 SV=4

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>sp|P15121|ALDR_HUMAN Aldo-keto reductase family 1 member B1 OS=Homo sapiens
OX=9606 GN=AKR1B1 PE=1 SV=3

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>sp|P61088|UBE2N_HUMAN Ubiquitin-conjugating enzyme E2 N OS=Homo sapiens OX=9606
GN=UBE2N PE=1 SV=1

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>sp|Q15257|PTPA_HUMAN Serine/threonine-protein phosphatase 2A activator OS=Homo
sapiens OX=9606 GN=PTPA PE=1 SV=3

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>sp|P60953|CDC42_HUMAN Cell division control protein 42 homolog OS=Homo sapiens
OX=9606 GN=CDC42 PE=1 SV=2

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>sp|P00338|LDHA_HUMAN L-lactate dehydrogenase A chain OS=Homo sapiens OX=9606
GN=LDHA PE=1 SV=2

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>sp|O00192|ARVC_HUMAN Splicing regulator ARVCF OS=Homo sapiens OX=9606 GN=ARVCF
PE=1 SV=1

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YEDTADDGGELADERPAFPMVTAPLAQPERGSMGSLDRLVRRSPSVDSARKEPRWRDPEL
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CGALRNLSYGRDTDNKAAIRDCGGVPALVRLLRAARDNEVRELVTGTLWNLSSYEPLKMW
IIDHGLQTLTHEVIVPHSGWEREPNEDSKPRDAEWTTVFKNSTGCLRVSSDGAEARRL
RECEGLVDALLHALQSAVGRKDTDNKSVENCVCIMRNLSYHVHKEVPGADRYQEAEPGL
GSAVGSQRRRRDDASCFGKKAKEEWFHQKKDGEDRNFDTLDLPKRTEAAKGFELLYQ
PEVVRLYLSLLTESRNFNTLEAAAGALQNLSAGNWMWATYIRATVRKERGLPVLVELLQS
ETDKVVRVAIALRNLSLDRRNKDLIGSYAMAELVRNVRNAQAPPRPGACLEEDTVVAVL
NTIHEIVSDSLDNARSLQARGVPALVALVASSQSVREKAASHVLQTVWSYKELRGTLQ
KDGWTKARFQSAAATAKGPKGALSPGGFDDSTLPLVDKSLEGEKTGSRDVIPMDALGPDG
YSTVDRRERRPRGASSAGEASEKEPLKLDPSRKAPPPGPSRPAVRLVDAVGDAKPQPVDS
WV

>sp|P06733|ENOA_HUMAN Alpha-enolase OS=Homo sapiens OX=9606 GN=ENO1 PE=1 SV=2
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GVSKAVEHINKTIAPALVSKKLNVTQEKEIDKLMIEMDGTENKSKFGANAILGVSLAVCK
AGAVEKGVPLYRHIADLAGNSEVILPVPAFNVINGGSHAGNKLAMQEFMILPVGAANFRE
AMRIGAEVYHNLKNVIKEKYGKDATNVGDEGGFAPNILENKEGLELLKTAIGKAGYTDKV
VIGMDVAASEFFRSGKYDLDFKSPDDPSRYISPDQLADLYKSFIDYPVVSIEDPFDQDD
WGAWQKFTASAGIQVVGDDLTVTNPKRIAKAVNEKSCNCLLLKVNQIGSVTESLQACKLA
QANGWGVMMVSHRSGETEDTFIADLVVGLCTGQIKTGAPCRSERLAKYNQLLRIEEELGSK
AKFAGRNFRNPLAK

>sp|P06744|G6PI_HUMAN Glucose-6-phosphate isomerase OS=Homo sapiens OX=9606
GN=GPI PE=1 SV=4
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TEDVMRMLVDLAKSRGVEAARERMFNGEKINYTEGRAVLHVALRNRNTPILVDGKDVMVP
EVNKVLDKMKSFQCRVRSQDWKGYTGKTITDVINIGIGGSDLGPLMVTEALKPYSGGPR
VWYVSNIIDGTHIAKTLAQLNPESLFIASKTFTTQETITNAETAKEWFLQAAKDPSAVA
KHFFVALSTNTTKVKEFGIDPQNMFEFWDWVGGRYSLSAIGLSIALHVGFDFNEQLLSGA
HWMQDQHFRTTPEKNAPVLLALLGIWYINCFGCETHAMLPYDQYLHRFAAYFQQGDMESN
GKYITKSGTRVDHQTGPIVWGEPGTNGQHAFYQLIHQGTKMIPCDFLIPVQTQHPIRKGL
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STNGLINFIKQREARVQ

>sp|P13798|ACPH_HUMAN Acylamino-acid-releasing enzyme OS=Homo sapiens OX=9606
GN=APEH PE=1 SV=4
MERQVLLSEPEEAAALYRGLSRQPALSAACLGPEVTTQYGGQYRTVHTEWTQRDLERMEN
IRFCRQYLVFHDGDSVVFAGPAGNSVETRGEALLSRESPSGTMKAVLRKAGGTGPGEKQF
LEVWEKNRKLKSFNLSALEKHGPVYEDDCFGCLSWSHSETHLLYVAEKKRPKAESFFQTK
ALDVSASDDEIARLKKPDQAIKGDQFVFYEDWGENMVSIPSIVLCVLDVESGNISVLEGV
PENVSPPGQAFWAPGDAGVVFVGWWHEPFRLGIRFCTNRRSALYYVDLIGGKCELLSDDSL
AVSSPRLSPDQCRIVYLQYPSLIPHHQCSQLCLDYTKVTSVVVDVVPRLGENFSGIY

CSLLPLGCWSADSQRVVFDSAQRSRQDLFAVDTQVGTVTSLTAGGSGGSWKLLTIDQDLM
VAQFSTPSLPPTLKVGFLPSAGKEQSVLWVSLEEAEPIDHWGIRVLQPPPEQENVQYA
GLDFEAILLQPGSPDKTQVPMVVMPPHGGPHSSFTAWMLFPAMLCKMGFAVLLVNYRGS
TGFGQDSILSLPGNVGHQDVKDQVQFAVEQVLQEEHFDASHVALMGGSHGGFISCHLIGQY
PETYRACVARNPVINIASMLGSTDIPDWCVVEAGFPFSSDCLPDLSVWAEMLDKSPIRYI
PQVKTPLLLMLGQEDRRVPFKQGM EYYRALKTRNVPVRLLLYPKSTHALSEVEVESDSFM
NAVLWLRTHLGS

>sp|P36969|GPX4_HUMAN Phospholipid hydroperoxide glutathione peroxidase GPX4
OS=Homo sapiens OX=9606 GN=GPX4 PE=1 SV=3

MSLGRLCRLKPALLCGALAAPGLAGTMCASRDDWRCARSMHEFSAKDIDGHMVNLDKYR
GFVCIVTNVASQUGKTEVNYTQLVDLHARYAECGLRILAFPCNQFGKQEPGSNEEIKEFA
AGYNVKFDMFSKICVNGDDAHPLWKWMKIQPKGKILGNAIKWNFTKFLIDKNGCVVKRY
GPMEEPLVIEKDLPHYF

>sp|P52565|GDIR1_HUMAN Rho GDP-dissociation inhibitor 1 OS=Homo sapiens OX=9606
GN=ARHGDI PE=1 SV=3

MAEQEPTAEQLAQIAAENEDEHSVNYKPPAQKSIQEIQLDKDDESLRKYKEALLGRVA
VSADPNVPNVVVTGLTLVCSSAPGPLELDTGDLSEFKKQSFVLKEGVEYRIKISFRVNR
EIVSGMKYIQHTYRKGVKIDKTDYMGVSGYPRAEEYELTPVEEAPKGMLARGSYSIKSR
FTDDDKTDHLSWEWNLTIKKDWKD

>sp|P04075|ALDOA_HUMAN Fructose-bisphosphate aldolase A OS=Homo sapiens OX=9606
GN=ALDOA PE=1 SV=2

MPYQYPALTPEQKKELSDIAHRIVAPGKGILAADESTGSIKRLQSIGTENTENRRFYR
QLLLTADDRVNPCIGGVILFHETLYQKADDGRFPQVIKSKGGVVGKVDKGVVPLAGTN
GETTTQGLDGLSERCAQYKKGADFAKWRCVLKIGEHTPSALAIMENANVLARYASICQQ
NGIVPIVEPEILPDGDHDLKRCQYVTEKVLAAYKALSDHHIYLEGTLLKPNMVTPGHAC
TQKFSHEEIAMATVTALRRTVPPAVTGITFLSGGQSEEEASINLNAINKCPLLKPWALTF
SYGRALQASALKAWGGKKENLKAAQEYVKRALANSLACQGKYTPSGQAGAAASESLFVS
NHAY

>sp|P05026|AT1B1_HUMAN Sodium/potassium-transporting ATPase subunit beta-1 OS=Homo
sapiens OX=9606 GN=ATP1B1 PE=1 SV=1

MARGKAKEEGSWKKFIWNSEKKEFLGRTGGSWFKILLFYVIFYGCLAGIFIGTIQVMLLT
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MIFEDCGDVPSEPKERGDFNHERGERKVCRFKLEWLGNCGLNDETYGYKEGKPCIIKL
NRVLGFKPKPPKNESLETYPVMKYNPVLPVQCTGKRDEDKDKVGNVEYFGLGNSPGFPL
QYYPPYGGKLLQPKYLQPLLAVQFTNLTMDTEIRIECKAYGENIGYSEKDRFQGRFDVKIE
VKS

>sp|P08134|RHOC_HUMAN Rho-related GTP-binding protein RhoC OS=Homo sapiens OX=9606
GN=RHOC PE=1 SV=1

MAAIRKKLVIVGDGACGKTCLLIVFSKDQFPEVYVPTVFENYIADIEVDGKQVELALWDT
AGQEDYDRLRPLSYPTDVLIMCFSIDSPDSLENIPEKWTPEVKHFPCNPVPIILVGNKKD
LRQDEHTRRELAKMKQEPVRSEEGRDMANRISAFGYLECSAKTKEGVREVFEMATRAGLQ
VRKNKRRRGCPIL

>sp|P11844|CRGA_HUMAN Gamma-crystallin A OS=Homo sapiens OX=9606 GN=CRYGA PE=2
SV=3

MGKITFYEDRDFQGRCYNCISDCPNLRVYFSRCNSIRVDSGCWMLYERPNIYQGHQYFLRR
GKYPDYQHWMLGLSDSVQSCRIIPHTSSHKLRLYERDDYRGLMSELTDDCACVPELFRPE
IYSLHVLGCVWVLYEMPNIYRGRQYLLRPGDYRRYHDWGGADAKVGSLLRRVTDLY
>sp|P62258|1433E_HUMAN 14-3-3 protein epsilon OS=Homo sapiens OX=9606 GN=YWHAE
PE=1 SV=1

MDDREDLVYQAKLAEQAERYDEMVESMKKVAGMDVELTVEERNLLSVAYKNVIGARRASW
RIISSIEQKEENKGGEDKLMIREYRQMVETELKLICCDILDVLDKHLIPAANTGESKVF
YYKMKGDYHRYLAEFATGNDRKEAAENSLVAYKAASDIAMTELPPTHPIRLGLALNFSVF
YYEILNSPDRACRLAKAAFDDAIAELDTLSEESYKDSTLIMQLLRDNLTWTSMDMQGDGE
EQNKEALQDVEDENQ

>sp|Q9BY67|CADM1_HUMAN Cell adhesion molecule 1 OS=Homo sapiens OX=9606
GN=CADM1 PE=1 SV=2

MASVVLPSGSQCAAAAAAAAAAPPGLRLRLLLLLFSAAALPTGDGQNLFTKDVTVIEGEVA
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RYFCQLYTDPPQESYTTITVLVPPRNLMDIQKDTAVEGEEIEVNCTAMASKPATTIRWF
KGNTLKGKSEVEEWSMYTVTSQMLKVKHEDDGVVICQVEHPAVTGNLQTRYLEVQ
YKPQVHIQMTYPLQGLTREGDALELTCEAIGKPQPMVTWVRVDDEMPQHAVLSGPNLFI
NNLNKTDNGTYRCEASNIVGKAHSDYMLYVYDPPTTIPPTTTTTTTTTTTTTTILTIITD
SRAGEEGSIRAVDHAVIGGVAVVVFAMLCLLILGRYFARHKGTYFTHEAKGADDAADA
DTAIINAEGGQNNSEEKKEYFI

>sp|O95834|EMAL2_HUMAN Echinoderm microtubule-associated protein-like 2 OS=Homo
sapiens OX=9606 GN=EML2 PE=1 SV=1

MSSFGAGKTKEVIFSVEDGSVKMFLRGRPVPMIPDELAPTYSLDTRSELPSCRLKLEWV
YGYRGRDCRANLYLLPTGEIVYFVASVAVLYSVEEQQRHYLGHNDDIKCLAIHPDMVTI
ATGQVAGTTKEGKPLPPHVRIWDSVSLSTLHVLGLGVFDRVCCVGFSGKSNNGNLLCAVD
ESNDHMLSVWDWAKETKVVDVKCSNEAVLVATFHPTDPTVLITCGKSHIYFWTLEGGSL
KRQGLFEKHEKPKYVLCVTFLEGGDVVTGDSGGNLYVWGKGGNRITQAVLGAHDGGVFGL
CALRDGTLVSGGGRDRRVVLWGSYSLQEEVPEDFGPVRTVAEGHGDLYVGTTRNSI
LQGSVHTGFSLLVQGHVEELWGLATHPSRAQFVTCGQDKLVHLWSSDSHQPLWSRIEDP
ARSAGFHPSGSVLAVGTVTGRWLLDTEHDLVAIHTDGNEQISVVSFSPDGAYLAVGSH
DNLVYYVTVDQGGKVSRLGKCSGHSSFITHLDWAQDSSCFVTNSGDYEILYWDPATCKQ
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SYPCQPRALSHKYGGHSSHVTNVAFLWDDSMALTTGGKDTSVLQWRVV

>sp|P00918|CAH2_HUMAN Carbonic anhydrase 2 OS=Homo sapiens OX=9606 GN=CA2 PE=1
SV=2

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NNGHAFNVEFDDSQDKAVLKGGPLDGTYRLIQFHFHWGSLDGQGEHTVDKKKYAAELHL
VHWNTKYGDFGKAVQQPDGLAVLGIFLKVGSAPGLQKVVDVLDSIKTKGSADFTNFDP
RGLLPESLDYWTYPGSLTTPPLLECVTWIVLKEPISVSSEQVLKFRKLNFNGEPEELM
VDNWRPAQPLKNRQIKASFK

>sp|P04899|GNAI2_HUMAN Guanine nucleotide-binding protein G(i) subunit alpha-2
OS=Homo sapiens OX=9606 GN=GNAI2 PE=1 SV=3

MGCTVSAEDKAAERSKMIDKNLREDGEKAAREVKLLLLGAGESGKSTIVKQMKIIHEDG
YSEEECRQYRAVVYSNTIQSIMAIVKAMGNLQIDFADPSRADDARQLFALSCTAEQGV

PDDLSGVIRRLWADHGVQACFGRSREYQLNDSAAYYLNDLERIAQSDYIPTQQDVLRTRV
KTTGIVETHFTFKDLHFKMFDVGGQRSEKWKWIHCFEGVTAIIFCVALSAYDLVLAEDDEE
MNRMHESMKLFDISCNKWFDTDSIILFLNKKDLFEEKITHSPLTICFPEYTGANKYDEA
ASYIQSKFEDLNKRKDTKEIYTHFTCATDTKNVQVFVDAVTDVIIKNNLKDCGLF
>sp|P19022|CADH2_HUMAN Cadherin-2 OS=Homo sapiens OX=9606 GN=CDH2 PE=1 SV=4
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SNCNGKRKVQYESSEPADFKVDEDGMVYAVRSFPLSSEHAKFLIYAQDKETQEKWQVAVK
LSLKPTLTEESVKESAEVEEIVFPRQFSKHSGLHQRQKRDWVIPPINLPENSRGPFQEL
VRIRSDRDKNLSLRYSVTGPADQPPTGIFIINPISGQLSVTKPLDREQIARFHLRAHAV
DINGNQVENPIDIVINVIDMNDNRPEFLHQVWNGTVPEGSKPGTYVMTVTAIDADDPNAL
NGMLRYRIVSQAPSTPSPNMFTINNETGDIITVAAGLDREKVQYTLIIQATDMEGNPTY
GLSNTATAVITVTDVNDNPPEFTAMTFYGEVPENRVDIIVANLTVTDKQPHTPAWNNAVY
RISGGDPTGRFAIQTDPNSNDGLVTVVKPIDFETNRMFVLTVAAENQVPLAKGIQHPPQS
TATVSVTVIDVNENPYFAPNPKIIRQEEGLHAGTMLTTFTAQDPDRYMQQNIRYTKLSDP
ANWLKIDPVNGQITTIQAVLDRESPNVKNNIYNATFLASDNGIPPMMSGTGLQIYLLDIND
NAPQVLPQEAETCETPDPSINITALDYDIDPNAGPFAFDLPLSPVTIKRNWTITRLNGD
FAQLNLKIKFLEAGIYEVPIIITDSGNPPKSNISILRVKVCQCDSNGDCTDVDRIVGAGL
GTGAIIAILLCIIILLVLMFVWWMKRRDKERQAKQLLIDPEDDVRDNILKYDEEGGGE
EDQDYDLSQLQQPDTVEPDAIKPVGIRRMDERPIHAEPQYPVRSAPHPGDIGDFINEGL
KAADNDPTAPPYDSLLVFDYEGSGSTAGSLSSLNSSSSGGEQDYDYLNDWGPRFKKLADM
YGGGDD

>sp|P52209|6PGD_HUMAN 6-phosphogluconate dehydrogenase, decarboxylating OS=Homo sapiens OX=9606 GN=PGD PE=1 SV=3

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MVSKLKKPRRIILLVKAGQAVDDFIEKLVPLLDTGDIIDGGNSEYRDTTRRCRDLKAKG
ILFVGSGVSGGEEGARYGPSLMPGGNKEAWPHIKTIFQGIAAKVGTGEPCCDWVGDEGAG
HFVKMVHNGIEYGDMQLICEAYHLMKDVLGMAQDEMAQAFEDWNKTELDSFLIEITANIL
KFQDTDGKHLLPKIRDSAGQKGTGKWTASALEYGVPTLIGEAVFARCLSSLKDERIQA
SKKLKGPQKFQFDGDKKSFLDIRKALYASKIISYAQQGFMLLRQAATEFGWTLNYGGIAL
MWRGGCIIRSVFLGKIKDAFDRNPQLNLLDDFFKSAVENCQDSWRRVSTGVQAGIPM
PCFTTALSFYDGYRHEMLPASLIQAQRDYFGAHTYELLAKPGQFIHTNWTGHGGTVSSSS
YNA

>sp|P62937|PPIA_HUMAN Peptidyl-prolyl cis-trans isomerase A OS=Homo sapiens OX=9606 GN=PPIA PE=1 SV=2

MVNPTVFDDIAVDGEPLGRVSFELFADKVPKTAENFRALSTGEKGFYKGSFHRHPIPGF
MCQGGDFTRHNGTGGKSIYGEKFEDENFILKHTGPGILSMANAGPNTNGSQFFICTAKTE
WLDGKHVVFQKVKEGMNIVEAMERFGSRNGKTSKKITIADCGQLE

>sp|Q08257|QOR_HUMAN Quinone oxidoreductase OS=Homo sapiens OX=9606 GN=CRYZ PE=1 SV=1

MATGQQLMRAVRVFEFGGPEVLKLRSDIAVPIPKDHQVLIKVHACGVNPVETYIRSGTYS
RKPLLPYTPGSDVAGVIEAVGDNASAFKKGDRVFTSSTISGGYAEYALAADHTVYKLPEK
LDFKQGAAGIPYFTAYRALIHSACVKAGESVLVHGASGGVGLAACQIARAYGLKILGTA
GTEEGQKIVLQNGAHEVFNHREVNYIDKIKKYVGEKGIDIIIEMLANVNLSKDLSSLSHG
GRVIVVGSRGTEINPRDTMAKESSIIGVTLSSTKEEFQQYAAALQAGMEIGWLKPVIG

SQYPLEKVAEAEHENIIHGSGATGKMILL

>sp|Q8TD20|GTR12_HUMAN Solute carrier family 2, facilitated glucose transporter member 12

OS=Homo sapiens OX=9606 GN=SLC2A12 PE=2 SV=1

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ISGALLQIKTLLALSCEQEMVVSSLVIGALLASLTGGVLIDRYGRRTAIISSCLLGLG
SLVLILSLSYTVLIVGRIAIGVSISLSSIATCVYIAEAPQHRRGLLVSLNELMIVIGIL
SAYISNYAFANVFHGWKYMFGGLVIPLGVLQAIAMYFLPPSPRFLVMKGEAASKVLGRL
RALSDTTEELTVIKSSLKDEYQYSFWDLFRSKDNMRTRIMIGLTLVFFVQITGQPNILFY
ASTVLKSVGFQSNAAASLASTGVGVVKVISTIPATLLVDHVGSKTFLCIGSSVMAASLVT
MGIVNLNIHMNFTHICRSHNSINQSLDESVIYGPGNLSTNNNTLRDHFKGISSHSRSSLM
PLRNDVDKRGETTSASLLNAGLSHTEYQIVTDPGDVPAFLKWLSLASLLVYVAAFSIGLG
PMPWLVLSEIFPGGIRGRAMALTSSMNWGINLLISLTFLTVDLIGLPWVCFIYTIMSLA
SLLFVVMFIPETKGCSLEQISMELAKVNYVKNNICFMSHHQEELVPKQPQKRKPQEQLLE
CNKLCGRGQSRQLSPET

>sp|Q9NTI2|AT8A2_HUMAN Phospholipid-transporting ATPase IB OS=Homo sapiens OX=9606

GN=ATP8A2 PE=1 SV=3

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LVPLIIILTIAGIKEIVEDFKRHKADNAVNNKKKTIVLRNGMWHTIMWKEVAVGDIVKVVN
GQYLPADVLLSSSEPQAMCYVETANLDGETNLKIRQGLSHTADMQTREVLMLKLSGTIEC
EGPNRHLYDFTGNLNLGDKSLVALGPDQILLRGTQLRNTQWVFGIVVYTGHDTKLMQNST
KAPLKRSNVEKVTNVQILVLFGILLVMALVSSAGALYWNRSHGEKNWYIKKMDTTSDFNG
YNLLTFIILYNLIPISLLVTLEVVKYTQALFINWDTDMYYIGNDTPAMARTSNLNEELG
QVKYLFSDKTGTLCNIMNFKKCSIAGVTYGHFPELAREPSSDDFCRMPPPCSDSCDFDD
PRLKNIEDRHPTAPCIQEFLTLAVCHTVVPEKDGDNIYQASSPDEAALVKGAKKLG
VFTARTPFVSVIIEAMGQEQTFGILNVLEFSSDRKRMSVIVRTPSGRLRLYCKGADNVIFE
RLSKDSKYMEETLCHLEYFATEGLRTLCAVAYADLSENEYEEWLKVYQEASTILKDRAQRL
EECYEIIKENLLLLGATAIEDRLQAGVPETIATLLKAEIKIWWLTGDKQETAINIGYSCR
LVSQNMALILLKEDSLDATRAAITQHCTDLGNLLGKENDVALIIDGHTLKYALSFEVRRS
FLDLALSCKAVICCRVSPLQKSEIVDVVKKRVKAITLAIGDGANDVGMIQTAHVGVGISG
NEGMQATNNSDYAIAQFSYLEKLLLVHGAWSYNRVTKCILYCFYKNVVLYIIELVFAFVN
GFSGQILFERWCIGLYNVIFTALPPFTLGIFERSCTQESMLRFPQLYKITQNGEGFNTKV
FWGHCINALVHSLILFWFPMKALEHDTVLTSGHATDYLFVGNIVYTYVVVTVCLKAGLET
TAWTKFSLAVWGSMLTWLVFFGIYSTIWPTIPIAPDMRGQATMVLSSAHFWLGLFLVPT
ACLIEDVAWRAAKHTCKKTLLLEVQELETCSRVLGKAVLRDSNGKRLNERDRLIKRLGRK
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>sp|O15498|YKT6_HUMAN Synaptobrevin homolog YKT6 OS=Homo sapiens OX=9606

GN=YKT6 PE=1 SV=1

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PALDGHLSRYQNPREADPMTKVQAELDETKIILHNTMESLLERGEKLDDLVSSEVLGTQ
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>sp|O95336|6PGL_HUMAN 6-phosphogluconolactonase OS=Homo sapiens OX=9606 GN=PGLS

PE=1 SV=2

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EAAEDYAKKLKQAFQGDSIPVFDLLILGVGPDGHTCSLFPDHPDQEREKIVAPISDSPK
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>sp|P04264|K2C1_HUMAN Keratin, type II cytoskeletal 1 OS=Homo sapiens OX=9606 GN=KRT1
PE=1 SV=6

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NLQQSISDAEQRGENALKDAKNKLNDELDALQQAKEDLARLLRDYQELMNTKLALDLEIA
TYRTLLEGEESRMSGECAPNVSVSVSTSHTTISGGGSRGGGGGGYSGSGSSYSGGGSSYG
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>sp|P05091|ALDH2_HUMAN Aldehyde dehydrogenase, mitochondrial OS=Homo sapiens
OX=9606 GN=ALDH2 PE=1 SV=2

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QIIPWNFPLLMQAWKLGPALATGNVVVMKVAEQTPLTALYVANLIKEAGFP PGVNVIPG
FGPTAGAAIASHEDVDKVAFTGSTEIGRVIQVAAGSSNLKRVTELGKSPNIIMSDADM
DWAVEQAHFALFFNQGCCAGSRFTVQEDIYDEFVRSVARAKSRVGNPFDSKTEQGP
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>sp|P08758|ANXA5_HUMAN Annexin A5 OS=Homo sapiens OX=9606 GN=ANXA5 PE=1 SV=2

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ELRAIKQVYEEYEGSSLEDDVVGDTSGYYQRMLVLLQANRDPDAGIDEAQVEQDAQALF
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VKSIRSIPAYLAETLYYAMKGAGTDDHTLIRVMVSRSEIDLFNIRKEFRKNFATSLYSMI
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>sp|P14618|KPYM_HUMAN Pyruvate kinase PKM OS=Homo sapiens OX=9606 GN=PKM PE=1
SV=4

MSKPHSEAGTAFIQTQQLHAAMADTFLEHMCRLDIDSPITARNTGIICTIGPASRSVET
LKEMIKSGMNVARLNFSGHGTHEYHAETIKNVRTATESFASDPILYRPVAVALDTKGPEIR
TGLIKSGTAEEVLKKGATLKITLDNAYMEKCDENILWLDYKNICKVVEVGSKIYVDDGL
ISLQVKQKGADFLVTEVENGSSLGSKKGVNLPGAADVLPVSEKDIQDLKFGVEQDQVDMV
FASFIRKASDVHEVRKVLGEKGKNIKIISKIENHEGVRRFDEILEASDGIMVARGDLGIE
IPAENVFLAQKMMIGRCNRAGKPVICATQMLESMIKKPRPTRAE GSDVANAVLDGADCIM

LSGETAKGDYPLEAVRMQHIAAREAEEAIYHLQLFEELRRLAPITSDPTEATAVGAVEAS
FKCCSGAIIVLTKSGRSAHQVARYRPRAPIIAVTRNPQTARQAHLYRGIFPVLCKDPVQE
AWAEDVDLRVNFAMNVGKARGFFKKGDVVIVLTGWRPGSGFTNTMRVVPV
>sp|P16930|FAAA_HUMAN Fumarylacetoacetase OS=Homo sapiens OX=9606 GN=FAH PE=1
SV=2

MSFIPVAEDSDFPIHNLPGYGVFSTRGDP RPRIIGVAIGDQILDLSIIKHLFTGPVLSKHQD
VFNQPTLNSFMGLGQAAWKEARVFLQNLLSVSQARLRDDTELKCAFISQASATMHLPAT
IGDYTDYSSRQHATNVGIMFRDKENALMPNWLHLPVGYHGRASSVVVSGTPIRRPMGQM
KPDDSKPPVYGACKLLDMELEMAFFVGPGRNLGEPISKAHEHIFGMVLMNDWSARDIQ
KWEYVPLGPFGLGKSF GTTVSPWVVPMDALMPFAVPNPKQDPRPLPYLCHDEPYTFDINLS
VNLKGEGMSQAATICKSNFKYMYWTMLQQLTHHSVNGCNLRPGDLLASGTISGPEPENFG
SMLELSWKGT KPIDLNGGQTRKFLLDGDEVIITGYCQGDGYRIGFGQCAGKVL PALLPS
>sp|P17858|PFKAL_HUMAN ATP-dependent 6-phosphofructokinase, liver type OS=Homo
sapiens OX=9606 GN=PFKL PE=1 SV=6

MAAVDLEKLASGAGKAIGVLTSGGDAQGMNAAVRAVTRMGIYVGAKVFLIYEGYEGLVE
GGENIKQANWLSVSNIIQLGGTIIGSARCKAFTTREGRRAAAYNLVQHGITNLCVIGGDG
SLTGANIFRSEWGSLLLELVAEGKISSETARTYSHLNIAGLVGSIDNDFCGTDMTIGTDS
ALHRIMEVIDAITTTAQSHQRTFVLEVMGRHCGYLALVSALASGADWLFIEAPPEDGWE
NFM CERLGETRSRGSRLNIIIIAEGAIDRNGKPISSSYVKDLVVQRLGFDTRVTVLGHVQ
RGGTPSAFDRILSSKMGMEAVMALLEATPDTPACVVTLSGNQSVRLPLMECVQMTKEVQK
AMDDKRFEATQLRGGSFENNWNIIYKLLAHQKPPKEKSNFSLAILNVGAPAAGMNAAVRS
AVRTGISHGHTVYVVHDFEGLAKGQVQEVGWHDVAGWLGRGGSMLGKRTL PKGQLES
VENIRIYGIHALLVVGFEAYEGLVQLVEARGRYEELCIVMCVIPATISNNVPGTDFSLG
SDTAVNAAMESCDRIKQSASGTRRRFVIVETMGGYCGYLATVTGIAVGADAAVVFEDPFN
IHD LKVNVEHMT EKMKTDIQRGLVLRNEKCHDYTTTEFLYNLYSSEGKGVFDCRTNVLGH
LQQGGAPTPFDRNYGTKLGVKAMLWLSEKLRVYRKGRVFANAPDSACVIGLKKKAVAFS
PVTELKKD TDFEHRMPREQWWLSRLMLKMLAQYRISMAAYVS GELEHVTRRTLSMDKGF
>sp|P18669|PGAM1_HUMAN Phosphoglycerate mutase 1 OS=Homo sapiens OX=9606
GN=PGAM1 PE=1 SV=2

MAAYKLVLIRHGESAWNLENRFSGWYDADLSPAGHEEAKRGGQALRDAGYEFDICFTSVQ
KRAIRTLWTVLDAIDQMWL PVVRTWRLNERHYGGLTGLNKAETA AAKHGEAQVKI WRRSYD
VPPPPMEPDHFPYSNISKDRRYADLTEDQLPSCESLKD TIARALPFWNEEIVPQIKEGKR
VLIAAHGNSLRGIVKHLEGLSEEAIMELNLPTGIPIVYELDKNLKPIKPMQFLGDEETVR
KAMEAVAAQGKAKK
>sp|P22748|CAH4_HUMAN Carbonic anhydrase 4 OS=Homo sapiens OX=9606 GN=CA4 PE=1
SV=2

MRMLLALLALSARPSASAESHWCYEVQAESSNYPCLVPVKWGGNCQKDRQSPINIVTTK
AKVDKKLGRFFFSGYDKKQTWTVQNNGH SVMMLLENKASISGGGLPAPYQAKQLHLHWSD
LPYKGSEHSLDGEHFAMEMHIVHEKEGTSRNVKEAQDPEDEIAVLAFLVEAGTQVNEGF
QPLVEALSNIKP EMSTTMAESSLLDLLPKEEKL RHYFRYLGSLTTPTCDEKV VWTVFRE
PIQLHREQILAFS QKLYYDKEQTVSMKDNVRPLQQLGQRTVIKSGAPGRPLPWALPALLG
PMLACLLAGFLR

>sp|P37837|TALDO_HUMAN Transaldolase OS=Homo sapiens OX=9606 GN=TALDO1 PE=1
SV=2

MSSSPVKRQRMESALDQLKQFTTVVADTGDFHAIDEYKPQDATTNPSLILAAAQMPAYQE
LVEEAIAYGRKLGGSQEDQIKNAIDKLFVLFGAELKKIPGRVSTEVDARLSFDKDAMVA
RARRLIELYKEAGISKDRILIKLSSTWEGIQAGKELEEQHGIHCNMTLLFSFAQAVACAE
AGVTLISPFVGRILDWHVANTDKKSYEPLEDPGVKSVTKIYNYYKKFSYKTIVMGASFRN
TGEIKALAGCDFLTISP KLLGELLQDNAKLVPVLSAKAAQASDLEKIHLDEKSFRWLHNE
DQMAVEKLSDGIRKFAADAVKLERMLTERM FNAENGK

>sp|P54920|SNAA_HUMAN Alpha-soluble NSF attachment protein OS=Homo sapiens OX=9606
GN=NAPA PE=1 SV=3

MDNSGKEAEAMALLAEAERKVNSQSFFSGLFGGSSKIEEACEIYARAANMFKMAKNWSA
AGNAFCQAAQLHLQLQSKHDAATCFVDAGNAFKKADPQEAINCLMRAIEIYTMGRFTIA
AKHHISIAEIIYETELVDIEKAI AHYEQSADYYKGEESNSSANKCLLKVAGYAALLEQYQK
AIDIYEQVGTNAMDSPLLKYSADYFFKAALCHFCIDMLNAKLAVQKYEELFPAFSDSRE
CKLMKKLLEAHEEQNVDSYTESVKEYDSISRLDQWLTTMLLRIKKTIQGDDEDLR

>sp|P62491|RB11A_HUMAN Ras-related protein Rab-11A OS=Homo sapiens OX=9606
GN=RAB11A PE=1 SV=3

MGTRDDEYDYLFKVVLI GDSGVGKSNLLSRFTRNEFNLESKSTIGVEFATRSIQVDGKTI
KAQIWDTAGQERYRAITSAYYRGAVGALLVYDIAKHLTYENVERWLKELRDHADSNIVIM
LVGNKSDLRHLRAVPTDEARAF AEKNGLSFIETSALDSTNVEAAFQTILTEIYRIVSQKQ
MSDRRENDMSPSNVVPPIHVPPTTENKPKVQCCQNI

>sp|P63096|GNAI1_HUMAN Guanine nucleotide-binding protein G(i) subunit alpha-1
OS=Homo sapiens OX=9606 GN=GNAI1 PE=1 SV=2

MGCTLSAEDKAAVERSKMIDRN LREDGEKAAREVKLLLLGAGESGKSTIVKQMKIHEAG
YSEEECKQYKAVVYSNTIQSI IIRAMGR LKIDFGDSARADDARQLFVLAGAAEEGFMT
AELAGVIKRLWKDSGVQACFNRSREYQLNDSAAYYLNDLDRIAQPNYIPTQQDVL RTRVK
TTGIVETHFTFKDLHFKMF DVGGQRSEK KWIHCFEGVTAIIFCVALS DYDLVLAEDEEM
NRMHESMKLFDSICNNKWFTDTSIILFNKKDLFEKIKKSPLTICYPEYAGSNTYEEAA
AYIQCFEDLNKRKDTKEIYTHFTCATDTKNVQVFDAVTDVVIKNNLKD CGLF

>sp|Q01469|FABP5_HUMAN Fatty acid-binding protein 5 OS=Homo sapiens OX=9606
GN=FABP5 PE=1 SV=3

MATVQQLEGRWRLVDSKGFDEYMKELGVGIALRKMGAMAKPDCIITCDGKNLTIKTESTL
KTTQFSCTLGEKFEETTADGRKTQTV CNFTDGALVQH QEWDGKESTITRKLKD GKL VVEC
VMNNVTCTRIYEKVE

>sp|Q8IW45|NNRD_HUMAN ATP-dependent (S)-NAD(P)H-hydrate dehydratase OS=Homo
sapiens OX=9606 GN=NAXD PE=1 SV=1

MVTRAGAGTAVAGAVV VALLSAALALYGPPLDAVLERAFSLRKAHSIKDMENTLQLVRNI
IPPLSSTKHKGQDGRIGVVG GCQEYTGAPYFAAISALKV GADLSHVFCASAAAPVIKAYS
PELIVHPVLDS PNAVHEVEKWLPRLHALVVG PGLGRDDALLRNVQGILEVSKARDIPVVI
DADGLWLVAQQPALIHGYRKAVLTPNHVEFSRLYDAVLRGPMDSDDSHG SVLRLSQALGN
VTVVQKGERDILSNGQQVLVCSQEGSSRRCGGQGDLLSGSLGVLVHWALLAGPQKTNGSS
PLLVAAFGACSLTRQCNHQAFQKHGRSTTTSDMIAEVGA AFSKLFET

>tr|Q562R0|Q562R0_HUMAN Actin-like protein (Fragment) OS=Homo sapiens OX=9606
GN=ACT PE=4 SV=1

KIWHHTFYNELRVAPEEHSILLTEAPLNPKANREKMTQIMFETFNTPAMYVAIQAVLSLY
TSGRTTGIVMDSGDGVTHTVPIYEGNALPHATLRLDLAGRELT

>sp|P02792|FRIL_HUMAN Ferritin light chain OS=Homo sapiens OX=9606 GN=FTL PE=1 SV=2
MSSQIRQNYSTDVEAAVNSLVNLYLQASYTYLSLGFYFDRDDVALEGVSHFFRELAEEKR
EGYERLLKMQNQRGGRALFQDIKKPAEDEWGKTPDAMKAAMALEKKLNQALLDLHALGSA
RTDPLCDFLETHFLDEEVKLIKMGDHLTNLHRLGGPEAGLGEYLFERLTLKHD

>sp|P04216|THY1_HUMAN Thy-1 membrane glycoprotein OS=Homo sapiens OX=9606
GN=THY1 PE=1 SV=2
MNLAISIALLLTVLQVSRGQKVTSLTACLVDQSLRLDCRHENTSSSPIQYEFSLTRETCK
HVLFGTVGVPEHTYRSRTNFTSKYNMKVLYLSAFTSKDEGTYTCALHHS GHSPPISSQNV
TVLRDCLKVKEGISLLAQNTSWLLLLLSLLQATDFMSL

>sp|P09382|LEG1_HUMAN Galectin-1 OS=Homo sapiens OX=9606 GN=LGALS1 PE=1 SV=2
MACGLVASNLNLKPGECLRVRGVAPDAKSFVLNLGKDSNNLCLHFNPRFNAHGDANTIV
CNSKDGGAWGTEQREAVFPFQPGSVAEVCITFDQANLTVKLPDGYEFKFPNRLNLEAINY
MAADGDFKIKCVAFD

>sp|P20339|RAB5A_HUMAN Ras-related protein Rab-5A OS=Homo sapiens OX=9606
GN=RAB5A PE=1 SV=2
MASRGATRPNGPNTGNKICQFKLVLLGESAVGKSSLVLRVKGQFHEFQESTIGAAFLTQ
TVCLDDTTVKFEIWDTAGQERYHSLAPMYRGAQAAIVVDITNEESFARAKNWVKELQR
QASPNIVIALSGNKADLANKRAVD FQEAQSYADDNSLLFMETSAKTS MNVNEIFMAIAKK
LPKNEPQNPGANSARGRGVDLTEPTQPTRNQCCSN

>sp|P22314|UBA1_HUMAN Ubiquitin-like modifier-activating enzyme 1 OS=Homo sapiens
OX=9606 GN=UBA1 PE=1 SV=3

MSSSPLSKRRVSGPDPKPGSNCSPAQSVLSEVPSVPTNGMAKNGSEADIDEGLYSRQLY
VLGHEAMKRLQTSSVLVSLRGLGVEIAKNILGGVKAVTLHDQGTAWADLSSQFYLRE
EDIGKNRAEVSQPRLAELNSYVPVTAYTGPLVEDFLSGFQVVVLTNTPLEDQLRVGEFCH
NRGIKLVVADTRGLFGQLFCDFGEEMILTDSNGEQPLSAMVSMVTKDNPGVVTCLDEARH
GFESGDFVSFSEVQGMVELNGNQPM EIKVLGPYTF SICDTSNFS DYIRGGIVSQVKVPKK
ISFKSLVASLAEPDFVVTDFAKFSRPAQLHIGFQALHQFCAQHGRPPRPRNEEDAAELVA
LAQAVNARALPAVQQNNLDEDLIRKLAYVAAGDLAPINAFIGGLAAQEV MKACSGKFMP
MQWL YFDAL ECLPEDKEVLTEDKCLQRQNR YDGQVAVFGSDLQEKLGKQKYFLVGAGAIG
CELLKNFAMIGLGC GEGGEIIVTDMDTIEKSNLNRQFLRPWDVT KLKSDTAAAVRQMN
PHIRVTSHQNRVGP DTERIYDDDFQNL DGVANALDNVDARMYMDRRCVYYRKPLLESGT
LGTKGNVQVVIPFLTESYSSSQDPPEKSIPICTLKNFPNAIEHTLQWARDEFEGLFKQPA
ENVNQYLTDPKFVERTLRLAGTQPLEVLEAVQRSLVLQRPQTWADCVTWACHHWHTQYSN
NIRQLLHNFPDQLTSSGAPFWSGPKRCPHPLTFDVNNPLHLDYVMAAANLFAQTYGLTG
SQDRAAVATFLQSVQVPEFTPKSGVKIHVSDQELQSANASVDDSRLEELKATLPSPDKLP
GFKMYPIDFEKDDDSNFHMDFIVAASNLR AENYDIPSADRHKSKLIAGKIIPAIATTTAA
VVGLVCLELYKV VQHRQLDSYKNGFLNLALPFFGFSEPLAAPRHQYYNQEWTLWDRFEV
QGLQPNGEEMTLKQFLDYFKTEHKLEITMLSQGVSMLYSFFMPAAKLKERLDQPMTEIVS
RVSKRKLGRHVRALVLELCCNDESGEDVEVPYVRYTIR

>sp|P26998|CRBB3_HUMAN Beta-crystallin B3 OS=Homo sapiens OX=9606 GN=CRYBB3 PE=1
SV=4

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VESGPWLAFESRAFRGEQFVLEKGDYPRWDAWSNSRDSLSLSRPLNIDSPHHKLHLFE
NPAFSGRKMEIVDDDVP SLWAHGFQDRVASVRAIN GTWVG YEFPGYRGRQYVFERGEYRH

WNEWDASQPQLQSVRRIRDQKWHKRGRFPSS

>sp|P35527|K1C9_HUMAN Keratin, type I cytoskeletal 9 OS=Homo sapiens OX=9606 GN=KRT9
PE=1 SV=3

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CGRGGGGSFGYSYGGGSGGGFSASSLGGGFGGGSRGFGGASGGGYSSSGGFGGGFGGGSG
GGFGGGYGSFGGFGGGAGGGDGGILTANEKSTMQELNSRLASYLDKVQALEEANND
LENKIQDWYDKKGPAAIQKNYSPIYNTIDDLKDQIVDLTVGNNKTLLDIDNTRMTLDDFR
IKFEMEQLNRQGVADINGLRQVLDNLTMEKSDLEMQYETLQEELMALKKNHKEEMSQLT
GQNSGDVNVEINVAPGKDLTKTLNDMRQEYEQLIAKNRKDIENQYETQITQIEHEVSSSG
QEVQSSAKEVTQLRHGVQELEIELQSLSKKAALKSLEDTKNRYCGQLQMIQEIQISNLE
AQITDVRQEIECQNQEYSLLSIKMRLEKEIETYHNLLEGGQEDFESSGAGKIGLGGRGG
SGGSYGRGSRGGSGGSYGGGSGGGYGGGSGSRGGSGGSYGGGSGSGGGSGGGYGGGSGG
GHSGGSGGGHSGGSGGNYGGGSGSGGGSGGGYGGGSGSRGGSGGSHGGGSGFGGESGGSY
GGGEEASGSGGGYGGGSGKSSHS

>sp|P50453|SPB9_HUMAN Serpin B9 OS=Homo sapiens OX=9606 GN=SERPINB9 PE=1 SV=1

METLSNASGTFAIRLLKILCQDNPSHNVFCSPVSISSALAMVLLGAKGNTATQMAQALSL
NTEEDIHRAFQSLLTEVNKAGTQYLLRTANRLFGEKTCQFLSTFKESCLQFYHAELKELS
FIRAAEESRKHINTWVSKKTEGKIEELLPGSSIDAETRLVLVNAIYFKGKWNEPFDETYT
REMPFKINQEEQRPVQMMYQEATFKLAHVGEVRAQLLELPYARKELSLVLLPDDGVELS
TVEKSLTFEKLTAWTKPDCMKSTEVEVLLPKFKLQEDYDMESVLRHLGIVDAFQQGKADL
SAMSAERDLCLSKFVHKSFVEVNEEGTEAAAASSCFVVAECCMESGPRFCADHPFLFFIR
HNRANSILFCGRFSSP

>sp|P62828|RAN_RAT GTP-binding nuclear protein Ran OS=Rattus norvegicus OX=10116
GN=Ran PE=1 SV=3

MAAQGEPQVQFKLVLVGDGGTGKTTFVKRHLTGEFEKKYVATLGVEVHPLVFHTNRGPIK
FNVWDTAGQEKFGGLRDGYIQAQCAIIMFDVTSRVTYKNVPNWHRDLVRVCENIPIVLC
GNKVDIKDRKVKAKSIVFHRKKNLQYYDISAKSNYNFEKPFLWLARKLIGDPNLEFVAMP
ALAPPEVMDPALAAQYEHDLVAQTALPDEDDDL

>sp|Q13057|COASY_HUMAN Bifunctional coenzyme A synthase OS=Homo sapiens OX=9606
GN=COASY PE=1 SV=4

MAVFRSGLLVLTTPLASLAPRLASILTSAARLVNHTLYVHLQPGMSLEGPAQPQSSPVQA
TFEVLDFITHLYAGADVHRHLDVRILLTNIRTKSTFLPPLPTSVQNLAHPPEVVLTDFTQ
LDGSQYNPVKQQLVRYATSCYSCCPRLASVLLSYDYGIGVEPVPEPLDVPLPSTIRPASPV
AGSPKQPVRGYYRGAVGGTFDRLHNAHKVLLSVACILAEQLVVGVAADKDLLKSKLLPEL
LQPYTERVEHLSEFLVDIKPSLTFDVIPLDPYGPAGSDPSLEFLVSEETYRGGMMAINR
FRLNDLEELALYQIQLLKDLRHTENEEDKVSSSSFRQRM LGNLLRPPYERPELPTCLYV
IGLTGISGSGKSSIAQRLKGLGAFVIDSDHLGHRAYAPGGPAYQPVVEAFGTDILHKDGI
INRKVLGSRVFGNKKQLKILTDIMWPIIAKLAREEMDRAVAEGKRVCVIDA AVLLEAGWQ
NLVHEVWTAVIPETEAVRRIVERDGLSEAAAQSRLQSQMSGQQLVEQSHVVLSTLWEPHI
TQRQVEKAWALLQKRIPKTHQALD

>sp|Q14974|IMB1_HUMAN Importin subunit beta-1 OS=Homo sapiens OX=9606 GN=KPNB1
PE=1 SV=2

MELITILEKTVSPDRLELEAAQKFLERA AVENLPTFLVELSRVLANPGNSQVARVAAGLQ
IKNSLTSKDPDIKAQYQQRWLAI DANARREVKNYVLQTLGTETYRPSSASQCVAGIACAE

IPVNQWPELIPQLVANVTNPNSTEHMKESTLEAIGYICQDIDPEQLQDKSNEILTAIIQG
MRKEEPSNNVKLAATNALLNSLEFTKANFDKESERHFIMQVVCEATQCPDTRVRVAALQN
LVKIMSLYYQYMETYMGPALFAITIEAMKSDIDEVALQGIEFWSNVCDEEMDLAIEASEA
AEQGRPPEHTSKFYAKGALQYLVPILTQTTLTKQDENDDDDDWNPCAAAGVCLMLLATCCE
DDIVPHVLPFIKEHIKNPDWRYRDAAVMAFGCILEGPEPSQLKPLVIQAMPTLIELMKDP
SVVVRDTAAWTVGRICELLPEAAINDVYLAPLLQCLIEGLSAEPRVASNVCWAFSSLAEA
AYEAADVADDQEEPATYCLSSSFELIVQKLETTDRPDGHQNNLRSSAYESLMEIVKNSA
KDCYPAVQKTTLVIMERLQQVLQMESHQSTSRIQFNDLQSLLCATLQNVLRKVQHQA
LQISDVVMASLLRMFQSTAGSGGVQEDALMAVSTLVEVLGGFEFLKYMEAFKPFLGIGLKN
YAEYQVCLAAVGLVGDLCRALQSNIIPCDEVMLLENLGNENVHRSVKPQILSVFGDI
ALAIGGEFKKYLEVVLNLTQQASQAQVDKSDYDMVDYLNELRESCLEAYTGIVQGLKGDQ
ENVHPDVMLVQPRVEFILSFIDHIAGEDHTDGVVACAAGLIGDLCTAFGKDVCLKLVEAR
PMIHELLTEGRRSKTNKAKTLATWATKELRKLKNQA

>sp|Q5T9C9|PI5L1_HUMAN Phosphatidylinositol 4-phosphate 5-kinase-like protein 1
OS=Homo sapiens OX=9606 GN=PIP5KL1 PE=2 SV=2

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AGLWAATQVSMDHPPTGPPSRDDFSEVLTVHEGFELGTLAGPAFAWLRRSLGLAEEDYQ
AALGPGGPYQLFLSTSKSKASFFLSHDQRFFLKTQGRREVQALLAHLPRYVQHLQRPHPS
LLARLLGVHSLRVDRGKKTIFIVMQSVFYPAGRISERYDIKGCEVSRWVDPAPEGSPLVL
VLKDLNFQGKTINLGPQRSWFLRQMELDTTFLRELNVLDYSLIAFQRLHEDERGPSSSL
IFRTARSVQGAQSPEESRAQNRRLLPDAPNALHILDGPEQRYFLGVVDLATVYGLRKRLE
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>sp|Q8NF91|SYNE1_HUMAN Nesprin-1 OS=Homo sapiens OX=9606 GN=SYNE1 PE=1 SV=4

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VKLLALLEVLSGQKLPCQGGRRMKRIHAVANIGTALKFLEGRKIKLVNINSTDIADGRPS
IVLGLMWITIIFYQIEELTSNLPQLQSLSSASSVDSIVSSETSPSPSKRKVTTKIQGNA
KKALLKWVQYTAGKQTGIEVKDFGKSWRSVAFHSHVIAIRPELVDLETVKGRSNRENLE
DAFTIAETELGIPRLDPEDVDVDKPDEKSIMTYVAQFLKHYPDIHNASTDGQEDDEILP
GFPSFANSVQNFKREDRVIFKEMKVVWIEQFERDLTRAQMVESNLQDKYQSFKHFRVQYEM
KRKQIEHLIQPLHRDGKLSLDQALVKQSWDRVTSRLFDWHIQLDKSLPAPLGTIGAWLYR
AEVALREEITVQQVHEETANTIQRKLEQHKDLLQNTDAHKRAFHEIYRTRSVNGIPVPPD
QLEDMAERFHFVSSTSELHLMKMEFLELKYRLLSLLVLAESKLKSWIIKYGRRESVEQLL
QNYVSFIENSKFFEYEVTYQILKQTAEMYVKADGSVEEAENVMKFMNETTAQWRNLSVE
VRSVRSMLEEVISNWDYRGNTVASLQAWLEDAEKMLNQSENAKKDFRNLPHWIQQHTAM
NDAGNFIETCEDEMVSRLKQQLLLNLRWRELFMEVKQYQAQADEMDRMKKEYTDCVVTL
SAFATEAHKKLSEPLEVSMNVKLLIQDLEDIEQRVPVMDAQYKIITKTAHLITKESPQE
EGKEMFATMSKLKEQLTKVKECYSPLLYESQQLLIPLLEELEKQMTSFYDSLKINEIITV
LEREAQSSALFKQKHQELLACQENCKKTLTIEKGSQSVQKFVTLNVLKHFDQTRLQRQ
IADIHVAFQSMVKKTGDWKKHVETNSRLMKKFEESRAELEKVLRIAQEGLEEKGDPEELL
RRHTEFFSQLDQRVLNAFLKACDELTDILPEQEQQGLQEA VRKLHKQWKDLQGEAPYHLL
HLKIDVEKNRFLASVEECRTELDRETKLMPQEGSEKIIKEHRVFFSDKGPHHLCEKRLQL
IEELCVKLPRDPVRDTPGTCHVTLELRAAIDSTYRKLMEPDKWKDYTSRFSEFSSWI
STNETQLKGIKGEAIDTANHGEVKRAVEEIRNGVTKRGETLSWLKSRLKVLTEVSSNEA
QKQGDELAKLSSSFKALVTLSEVEKMLSNFGDCVQYKEIVKNSLEELISGSKEVQEQA

KILD TEN LF EA Q Q L L L H H Q Q K T K R I S A K K R D V Q Q Q I A Q A Q Q G E G G L P D R G H E E L R K L E S T
L D G L E R S R E R Q E R R I Q V T L R K W E R F E T N K E T V V R Y L F Q T G S S H E R F L S F S S L E S L S S E L E
Q T K E F S K R T E S I A V Q A E N L V K E A S E I P L G P Q N K Q L L Q Q Q A K S I K E Q V K K L E D T L E E D I K T
M E M V K T K W D H F G S N F E T L S V W I T E K E K E L N A L E T S S S A M D M Q I S Q I K V T I Q E I E S K L S S I
V G L E E E A Q S F A Q F V T T G E S A R I K A K L T Q I R R Y G E E L R E H A Q C L E G T I L G H L S Q Q Q K F E E N
L R K I Q Q S V S E F E D K L A V P I K I C S S A T E T Y K V L Q E H M D L C Q A L E S L S S A I T A F S A S A R K V V
N R D S C V Q E A A A L Q Q Q Y E D I L R R A K E R Q T A L E N L L A H W Q R L E K E L S S F L T W L E R G E A K A S S
P E M D I S A D R V K V E G E L Q L I Q A L Q N E V S Q A S F Y S K L L Q L K E S L F S V A S K D D V K M M K L H L E
Q L D E R W R D L P Q I I N K R I N F L Q S V V A E H Q Q F D E L L L S F S V W I K L F L S E L Q T T S E I S I M D H Q
V A L T R H K D H A A E V E S K K G E L Q S L Q G H L A K L G S L G R A E D L H L L Q G K A E D C F Q L F E E A S Q V V
E R R Q L A L S H L A E F L Q S H A S L S G I L R Q L R Q T V E A T N S M N K N E S D L I E K D L N D A L Q N A K A L E
S A A V S L D G I L S K A Q Y H L K I G S S E Q R T S C R A T A D Q L C G E V E R I Q N L L G T K Q S E A D A L A V L K
K A F Q D Q K E E L L K S I E D I E E R T D K E R L K E P T R Q A L Q Q R L R V F N Q L E D E L N S H E H E L C W L K D
K A K Q I A Q K D V A F A P E V D R E I N R L E V T W D D T K R L I H E N Q G Q C C L I D L M R E Y Q N L K S A V S K
V L E N A S S V I V T R T T I K D Q E D L K W A F S K H E T A K N K M N Y K Q K D L D N F T S K G K H L L S E L K K I H
S S D F S L V K T D M E S T V D K W L D V S E K L E E N M D R L R V S L S I W D D V L S T R D E I E G W S N N C V P Q M
A E N I S N L D N H L R A E E L L K E F E S E V K N K A L R L E E L H S K V N D L K E L T K N L E T P P D L Q F I E A D
L M Q K L E H A K E I T E V A K G T L K D F T A Q S T Q V E K F I N D I T T W F T K V E E S L M N C A Q N E T C E A L K
K V K D I Q K E L Q S Q S N I S S T Q E N L N S L C R K Y H S A E L S L G R A M T G L I K K H E A V S Q L C S K T Q
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K A I Q D R L A C A E S T L G S K D T L E K R L S Q I Q D I L L M K G E G E V K L N M A I G K G E Q A L R S S N K E G Q
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Q P Q P G L K E K F V L L D H L Q S I L S E A E D H T R A L H R L I A K S R E L Y E K T E D E S F K D T A Q E E L K T Q
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Q S C L E N L V S Q M A L S E Q E F S G Q V A Q L E Q A L E Q F S A L L K T W A Q Q L T L L E G K N T D E E I V E C W H
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>sp|Q9UI40|NCKX2_HUMAN Sodium/potassium/calcium exchanger 2 OS=Homo sapiens
OX=9606 GN=SLC24A2 PE=1 SV=1

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NGLFCAIVLLFIMLLFVILSIALCKWRMNKILGFIMFGLYFVFLVSVLLEDRLTCPVS
I

>sp|P11168|GTR2_HUMAN Solute carrier family 2, facilitated glucose transporter member 2
OS=Homo sapiens OX=9606 GN=SLC2A2 PE=1 SV=1

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>sp|P47895|AL1A3_HUMAN Retinaldehyde dehydrogenase 3 OS=Homo sapiens OX=9606
GN=ALDH1A3 PE=1 SV=2

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>sp|Q96QV1|HHIP_HUMAN Hedgehog-interacting protein OS=Homo sapiens OX=9606
GN=HHIP PE=1 SV=3

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>sp|P00390|GSHR_HUMAN Glutathione reductase, mitochondrial OS=Homo sapiens OX=9606
GN=GSR PE=1 SV=2

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>sp|P01034|CYTC_HUMAN Cystatin-C OS=Homo sapiens OX=9606 GN=CST3 PE=1 SV=1
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>sp|P01112|RASH_HUMAN GTPase HRas OS=Homo sapiens OX=9606 GN=HRAS PE=1 SV=1
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QEEYSAMRDQYMRTGEGFLCVFAINNTKSFEDIHQYREQIKRVKDSDDVPMVLVGNKCDL
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CMSCKCVLS

>sp|P01857|IGHG1_HUMAN Immunoglobulin heavy constant gamma 1 OS=Homo sapiens
OX=9606 GN=IGHG1 PE=1 SV=2

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>sp|P07900|HS90A_HUMAN Heat shock protein HSP 90-alpha OS=Homo sapiens OX=9606
GN=HSP90AA1 PE=1 SV=5

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>sp|P10909|CLUS_HUMAN Clusterin OS=Homo sapiens OX=9606 GN=CLU PE=1 SV=1
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>sp|P12955|PEPD_HUMAN Xaa-Pro dipeptidase OS=Homo sapiens OX=9606 GN=PEPD PE=1
SV=3
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GCDKAFTPFSGPK

>sp|P23526|SAHH_HUMAN Adenosylhomocysteinase OS=Homo sapiens OX=9606 GN=AHCY
PE=1 SV=4
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>sp|P32119|PRDX2_HUMAN Peroxiredoxin-2 OS=Homo sapiens OX=9606 GN=PRDX2 PE=1
SV=5
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>sp|P46926|GNPI1_HUMAN Glucosamine-6-phosphate isomerase 1 OS=Homo sapiens
OX=9606 GN=GNPDA1 PE=1 SV=1
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>sp|P49721|PSB2_HUMAN Proteasome subunit beta type-2 OS=Homo sapiens OX=9606
GN=PSMB2 PE=1 SV=1
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>sp|P53420|CO4A4_HUMAN Collagen alpha-4(IV) chain OS=Homo sapiens OX=9606
GN=COL4A4 PE=1 SV=3
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>sp|P55011|S12A2_HUMAN Solute carrier family 12 member 2 OS=Homo sapiens OX=9606
GN=SLC12A2 PE=1 SV=1
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>sp|P62820|RAB1A_HUMAN Ras-related protein Rab-1A OS=Homo sapiens OX=9606
GN=RAB1A PE=1 SV=3

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>sp|Q00610|CLH1_HUMAN Clathrin heavy chain 1 OS=Homo sapiens OX=9606 GN=CLTC PE=1
SV=5

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>sp|Q13200|PSMD2_HUMAN 26S proteasome non-ATPase regulatory subunit 2 OS=Homo sapiens OX=9606 GN=PSMD2 PE=1 SV=3

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SIFGLGLAYAGSNREDVLTLLLPMGDSKSSMEVAGVTALACGMIAVGSCNGDVTSTILQ
TIMEKSETELKDTYARWLPLGLGLNHLGKGEAIEAILAALEVSEPFERSFANTLVDVCAY
AGSGNVLVKQQLLHICSEHFDSEKEEDKDKKEKKDKDKKEAPADMGAHQGVAVLGLIALI
AMGEEIGAEMALRTFGHLLRYGEPTLRRVPLALALISVSNPRLNILDTLKFSHDADPE
VSYNSIFAMGMVSGTNNARLAAMLRLQAQYHAKDPNNLFMVRLAQGLTHLGKGTLTLCQ
YHSRQLMSQVAVAGLLTVLVSFLDVRNIIKGSHYVLYGLVAAMQPRMLVTFDEELRPL
PVSVRVGQAVDVVGQAGKPKTITGFQTHTPVLLAHGERAEATEEFLPVTPILEGFVIL
RKNPNYDL

>sp|Q15124|PGM5_HUMAN Phosphoglucomutase-like protein 5 OS=Homo sapiens OX=9606 GN=PGM5 PE=1 SV=2

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TMVVGSDGRYFSRTAIEIVVQMAAANGIGRLIIGQNGILSTPAVSCIIRKKAAGGIILT
ASHCPGGPGGEFGVKFNVANGGPAPDVVSDKIYQISKTIIEYAICPDLRIDLSRLGRQEF
DLENKFKPFRVEIVDPVDIYLNLLRTIFDFHAIKGLLTGPSQLKIRIDAMHGVMGPYVRK
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PAGWRFFSNLMDSGRCNLCGEESFGTGSDDLREKDWAVLVWLSIAARKQSVEEIVRD
HWAKFGRHYICRFDYEGLDPKTTYIMRDLALVTDKSFIGQQFAVGSHVYSVAKTDSFE
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LSPLIAIALKISQIHERTGRRGPTVIT

>sp|Q15286|RAB35_HUMAN Ras-related protein Rab-35 OS=Homo sapiens OX=9606 GN=RAB35 PE=1 SV=1

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IWDTAGQERFRTITSTYYRGTHGVIVVYDVTSAESFVNVKRWLHEINQNCDDVCRILVGN
KNDDPERKVVETEDAYKFAGQMGIQLFETSAKENVNVEEMFNCITELVLRAKKDNLAKQQ
QQQQNDVVKLTKNSKRKKRCC

>sp|Q8TCT0|CERK1_HUMAN Ceramide kinase OS=Homo sapiens OX=9606 GN=CERK PE=1 SV=1

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EETDVHGHKGHQSGLKWKMEKPYAFTVHCVKRARRHRWKWAQVTFWCPEEQQLCHLWLQTLR
EMLEKLTSRPKHLLVFINPFGGKGQKRIYERKVAPLFTLASITTDIIVTEHANQAKETL
YEINIDKYDGIVCVGGDGMFSEVLHGLIGRTQRSAGVDQNHPRAVLVPSSLRIGIIPAGS
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EKKRWLGLARYDFSLKTFSLHHCYEGTVSFLPAQHTVGSPPDRKPCRAGCFVCRQSKQQ
LEEEQKKALYGLEAAEDVEEWQVVCCKFLAINATNMSCACRRSPRGLSPAHLGDGSSDL
ILIRKCSRNFNRLRHTNQDQDFTFVEVYRVKKFQFTSKHMEDESDLKEGGKKRF
GHICSSHPSCCCTVSNSSWNCDGEVLHSPAIEVRVHCQLVRLFARGIEENPKPDSHS

>sp|Q969Q5|RAB24_HUMAN Ras-related protein Rab-24 OS=Homo sapiens OX=9606
GN=RAB24 PE=1 SV=1

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IWDTAGSERYEAMSRYYRGAKAAIVCYDLTDSSSFERAKFWVKELRSLEEGCQIYLCGT
KSDLLEEDRRRRRVDFHDVQDYADNIKAQLFETSSKTGQSVDELQKVAEDYVSVAAFQV
MTEDKGVDLGQKPNPYFYSCCH

>sp|Q99685|MGLL_HUMAN Monoglyceride lipase OS=Homo sapiens OX=9606 GN=MGLL PE=1
SV=2

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LARMMLGLDLLVFAHDHVGHGQSEGERMVVSDHFVVRDVLQHVDMSQKDYPGLPVFLLG
HSMGGAIAILTAERPGHFAGMVLISPLVLANPESATTFKVLAAKVLNLVLPNLSLGPID
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LCDSKGAYLLMELAKSQDKTLKIYEGAYHVLHKELPEVTNSVFHEINMWVSQRTATAGTA
SPP

>sp|Q9H0C3|TM117_HUMAN Transmembrane protein 117 OS=Homo sapiens OX=9606
GN=TMEM117 PE=1 SV=1

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GVGWRILKVLLWLLAILTGLIAGKFLFHQRLFGQLRLKMFREDHGSWMTMFFSTILFLF
IFSHIYNTILLMDGNMGAYIITDYMGIKRNESFMKLAAGVTWMGDFVTAWMVTDMMLQDKP
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FLASFILVFDLLIVMQDWEFPHFMGDVDVNLPGLHTPHMQFKIPFFQKIFKEEYRIHITG
KWFNYGIIFLVLILDLNMWKNQIFYKPHEYGQYIGPGQKIYTVKDESLKDLNRTKLSWE
WRSNHTNPRTNKTYVEGDMFLHSRFIGASLDVKCLAFVPSLIAFVWFGFFIWFGRFLKN
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SHLTSENLSQLNESTSATEADQDPTTSKSTPTN

>sp|Q9HAB8|PPCS_HUMAN Phosphopantothenate--cysteine ligase OS=Homo sapiens OX=9606
GN=PPCS PE=1 SV=2

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SSGRRGATSAEFLAAGYGVFLYRARSAPFYAHRFPQTWLSALRPSGPALSGLLSLEA
EENALPGFAEALRSYQEAAGTFLAVEFTTLADYLHLLQAAAQALNPLGPSAMFYLAAA
VSDFYVPVSEMPHKKIQSSGGPLQITMKMVPKLLSPLVKDWAPKAFIISFKLETDPAIV

NRARKALEIYQHQV VVANILES RQSFV FIVTKDSE TKLLS EEEIEK GVEIEEKIVDNLQ
SRHTAFIGDRN

>sp|Q9NZJ7|MTCH1_HUMAN Mitochondrial carrier homolog 1 OS=Homo sapiens OX=9606
GN=MTCH1 PE=1 SV=1

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VSNKDDMKTSKKVVKETSYEMMMQCVSRMLAHPLHVISMRCMVQFVGREAKYSGVLSSI
GKIFKEEGLLGFFVGLIPHLLGDVFLWGCNLLAHFINAYLVDDSVSDTPGGLGNDQNP
SQFSQALAIRSYTKFVMGIAVSMLTYPFLLVGDLMAVNNCGLQAGLPPYSPVFKSWIHCW
KYLVSQGQLFRGSSLLFRRVSSGSCFALE

>sp|Q9UIG0|BAZ1B_HUMAN Tyrosine-protein kinase BAZ1B OS=Homo sapiens OX=9606
GN=BAZ1B PE=1 SV=2

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KEDEGRRESINDRARRSPRKLPTSLKKGERKWAPPKFLPHKYDVKLQNKEDKIISNPADS
LIRTERPPNKEIVRYFIRHNALRAGTGENAPWVVEDELVKKYSLSKFSDFLLDPYKYMT
LNPSTKRKNTGSPDRKPSKKSKTDNSSLSSPLNPKLWCHVHLKKSLSGSPLKVKNKNSK
SPEEHLEEMMKMMSPNKLHTNFHIPKKGPPAKKPGKHSKPLKAKGRSKGILNGQKSTGN
SKSPKKGLKTPKTKMKQMTLLDMAKGTQKMTRAPRNSGGTPRTSSKPHKHLPPAALHLIA
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EARVISLEKLKDFGECVIALQASVIKKFLQGFMAPKQKRRKLQSEDSAKTEEVDEEKKMV
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>sp|P34949|MPI_HUMAN Mannose-6-phosphate isomerase OS=Homo sapiens OX=9606
GN=MPI PE=1 SV=2

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ILDNRISQKTL SQWIAENQDSLGSVKKDTFNGNLPFLFKVLSVETPLSIQAHPNKELAEK
LHLQAPQHYPDANHKPEMAIALTPFQGLCGFRPVEEIVTFLKKVPEFQFLIGDEAATHLK
QTMSHDSQAVASSLQSCFSLMKSEKKVVVEQLNLLVKRISQQAAGNNMEDIFGELLQ

LHQYPGDIGCFAYFLNLLTLKPGEAMFLEANVPHAYLKGDCECMACSDNTVRAGLTP
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VLALDSASILLMVQGTVIASPTTQTPIPLQRGGVLFIGANESVSLKLTEPKDLLIFRAC
CLL

>sp|P61204|ARF3_HUMAN ADP-ribosylation factor 3 OS=Homo sapiens OX=9606 GN=ARF3
PE=1 SV=2

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ISFTVWDVGGQDKIRPLWRHYFQNTQGLIFVVDSDNRERVNEAREELMRMLAEDELRAV
LLVFANKQDLPNAMNAAEITDKLGLHSLRHRNWYIQATCATSGDGLYGLDWLANQLKNK
K

>sp|Q01453|PMP22_HUMAN Peripheral myelin protein 22 OS=Homo sapiens OX=9606
GN=PMP22 PE=1 SV=1

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>tr|Q53GE9|Q53GE9_HUMAN Elongation factor 1-alpha (Fragment) OS=Homo sapiens
OX=9606 PE=2 SV=1

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GEFEAGISKNGQTREHALLAYTLGVKQLIVGVNKMMDSTEPYSQKRYEEIVKEVSAYIKK
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PTDKPLRLPLQDVYKIGGIGTVPVGRVETGVLPKGMVVTAFVNVTTVEKSVEMHHEALS
EALPGDNVGFNVKNVSKDVRGNGVAGDSKNDPPMEAAGFTAQVILNHPGQISAGYAPV
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>sp|Q8IYS2|K2013_HUMAN Uncharacterized protein KIAA2013 OS=Homo sapiens OX=9606
GN=KIAA2013 PE=1 SV=1

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DFVPFVQLRPLSALAEAGEAVLLLREGLRRVRCLQLGSPGPGPVAAGPGPASVSGLAAG
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TVNLTLYYMLSCSPAPLLSPSLSHRERDQMESTLNYEDHCFSGHATMHAENLWPGRLLSV
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>tr|B7Z705|B7Z705_HUMAN Chitinase domain-containing protein 1 OS=Homo sapiens
OX=9606 PE=2 SV=1

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SKTLLEKSQFSDKPVQDRGLVVDLKAESVLEHRSYCSAKARDRHFAGDVLGYVTPWNS
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LFEDWTYDDFRNVLDSEDEIEELSKTVVQVAKNQHFDFGVVEVWNQLLSQKRVGLIHMLT

HLAEALHQARLLALLVIPPAITPGTDQLGMFTHKEFEQLAPVLDGFSLMTYDYSTAHPG
PNAPLSWVRACVQVLDPKSKWRSKILLGLNFYGM DYVTSKDAREPVVGARYIQTLDHRP
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DLP

>sp|O14787|TNPO2_HUMAN Transportin-2 OS=Homo sapiens OX=9606 GN=TNPO2 PE=1 SV=3
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VCNNATWAIGEICMQMGAEMQPYVQMV LNNLVEIINRPNTPKTLENTGRLTSPSAIPAI
TIGRLGYVCPQE VAPMLQQFIRPWCTSLRNIRDNEEKDSAFRGICMMIGVNP GGVVQDFI
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>sp|P09972|ALDOC_HUMAN Fructose-bisphosphate aldolase C OS=Homo sapiens OX=9606
GN=ALDOC PE=1 SV=2
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QVLFSADDRVKK CIGGVIFFHETLYQKDDNGVPFVRTIQDKGIVVG IVDKGVVPLAGTD
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PIKYTPEEIAMATVTALRRTVPPAVPGVTF LSGGQSEEEASFNLNAINRCPLRPWALT F
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NHAY

>sp|P10768|ESTD_HUMAN S-formylglutathione hydrolase OS=Homo sapiens OX=9606 GN=ESD
PE=1 SV=2
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YSYVTEELPQLINANFPVDPQRMSIFGHSMGGHGALICALKNPGKYKSVSAFAPICNPVL
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>sp|P13639|EF2_HUMAN Elongation factor 2 OS=Homo sapiens OX=9606 GN=EEF2 PE=1 SV=4
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KDEQERCITIKSTAISLFYELSENDLNF IKQSKDGAGFLINLIDSPGHVDFSSEVTAALR
VTDGALVVVDCVSGVCVQTETVLRQAIAERIKPV LMMNKMDRALLELQLEPEELYQTFQR
IVENVNVIISTYGE GEGSGPMGNIMIDPVLGTVGFGSGLHGWAFTLKQFAEMYVAKFAAKG
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VSTGLKVRIMGPNYTPGKKEDLYLKPIQRTILMMGRYVEPIEDVPCGNIVGLVGVDQFLV
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SGEHIIAGAGELHLEICLDLEEDHACIPIKSDPVVSYRETVSEESNVLCLSKSPNKH
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IIPARRCLYASVLTAQPRLEPIYLVEIQCEQVVGGIYGVNLNRKRGHVFEESQVAGTP
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>sp|P21333|FLNA_HUMAN Filamin-A OS=Homo sapiens OX=9606 GN=FLNA PE=1 SV=4
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SACRAVGRGLQPKGVRVKETADFKVYTKGAGSGELKVTVKGPKEERVKQKDLGDGVYGF
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LVS NHLSHETSSVFVDSLTKATCAPQH GAGPGPADASKVVAKGLGLSKAYVGQKSSFTV
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PYRVVVP

>sp|P34913|HYES_HUMAN Bifunctional epoxide hydrolase 2 OS=Homo sapiens OX=9606
GN=EPHX2 PE=1 SV=2

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>sp|P55060|XPO2_HUMAN Exportin-2 OS=Homo sapiens OX=9606 GN=CSE1L PE=1 SV=3

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>sp|P60174|TPIS_HUMAN Triosephosphate isomerase OS=Homo sapiens OX=9606 GN=TP11
PE=1 SV=4

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>sp|P61019|RAB2A_HUMAN Ras-related protein Rab-2A OS=Homo sapiens OX=9606
GN=RAB2A PE=1 SV=1

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>sp|P63104|1433Z_HUMAN 14-3-3 protein zeta/delta OS=Homo sapiens OX=9606 GN=YWHAZ
PE=1 SV=1

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EGGEN

>sp|Q01082|SPTB2_HUMAN Spectrin beta chain, non-erythrocytic 1 OS=Homo sapiens
OX=9606 GN=SPTBN1 PE=1 SV=2

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>sp|Q04446|GLGB_HUMAN 1,4-alpha-glucan-branching enzyme OS=Homo sapiens OX=9606
GN=GBE1 PE=1 SV=3

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>sp|Q10567|AP1B1_HUMAN AP-1 complex subunit beta-1 OS=Homo sapiens OX=9606
GN=AP1B1 PE=1 SV=3

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>sp|Q13098|CSN1_HUMAN COP9 signalosome complex subunit 1 OS=Homo sapiens OX=9606
GN=GPS1 PE=1 SV=4

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>sp|Q13813|SPTN1_HUMAN Spectrin alpha chain, non-erythrocytic 1 OS=Homo sapiens
OX=9606 GN=SPTAN1 PE=1 SV=3

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>sp|Q14240|IF4A2_HUMAN Eukaryotic initiation factor 4A-II OS=Homo sapiens OX=9606
GN=EIF4A2 PE=1 SV=2

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>sp|Q6BCY4|NB5R2_HUMAN NADH-cytochrome b5 reductase 2 OS=Homo sapiens OX=9606
GN=CYB5R2 PE=1 SV=1

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>sp|Q6GMV2|SMYD5_HUMAN Histone-lysine N-trimethyltransferase SMYD5 OS=Homo
sapiens OX=9606 GN=SMYD5 PE=1 SV=2

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>sp|Q8IVW8|SPNS2_HUMAN Sphingosine-1-phosphate transporter SPNS2 OS=Homo sapiens
OX=9606 GN=SPNS2 PE=1 SV=2

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>sp|Q8NFZ8|CADM4_HUMAN Cell adhesion molecule 4 OS=Homo sapiens OX=9606
GN=CADM4 PE=1 SV=1

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>sp|Q92597|NDRG1_HUMAN Protein NDRG1 OS=Homo sapiens OX=9606 GN=NDRG1 PE=1
SV=1

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>sp|Q92729|PTPRU_HUMAN Receptor-type tyrosine-protein phosphatase U OS=Homo sapiens
OX=9606 GN=PTPRU PE=1 SV=2

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RAPADLPHGSYLMVNTSQHAPGQRAHVIFQSLSENDTHCVQFSYFLYSRDGHSPGTLGVY
VRVNGGPLGS AVWNMTGSHGRQWHQAELAVSTFWPNEYQVLFEALISPDRRGYMLDDIL
LLSYPCAKAPHFSRLGDVEVNAGQNASFQCMAAGRAAEAERFLLQRQSGALVPAAGVRHI
SHRRFLATFPLAAVSRAEQDLYRCVSQAPRGAGVSNFAELIVKEPPTPIAPPQLLRAGPT
YLIIQLNTNSIIGDGPIVRKEIEYRMARGPWA EVHAVSLQTYKLWHLDPDTEYEISVLLT
RPGDGGTGRPGPPLISRTKCAEPMRAPKGLAF AEI QARQLTLQWEPLGYNVTRCHTYTVS
LCYHYTLGSSHNQTIRECVKTEQGVSR YTIKNLLPYRNVHVRLVLTNPEGRKEGKEVTFQ
TDEDVPSGIAAESLTFTPLEDMIFLKWEEPQEPNGLITQYEISYQSISSDPAVNVPGPR
RTISKLRNETYHVF SNLHPGTTYLFSVRARTGKGFGQAALTEITTNISAPSFYADMPSP
LGESENTITVLLRPAQGRGAPISVYQVIVEEERARRLRREPGGQDCFPVPLTFEALARG
LVHYFGAELAASSLPEAMPFTVGDNQTYRGFWNPPLPRKAYLIYFQAASHLKGETRLNC
IRIARKAACKESKRPLEVSQRSEEMGLILGICAGGLAVLILLGAIIVIRKGRDHYAYS
YYPKPVNMTKATVN YRQEKTHMMSAVDRSFTDQSTLQEDERLGLSFMDTHGYSTRGDQRS
GGVTEASSLLGGSPRRPCGRKGS PYHTGQLHPAVRVADLLQHINQMKTAE GYGFKQ EYES
FFEGWDATKKKDKVKGSRQEPMPAYDRHRVKLHPMLGDPNADYINANYIDGYHRSNHFIA
TQGPKEMVYDFWRMVWQEHCSIVMITKLVEVGRVKCSRYWPEDSDTYGDIKIMLVKTE
TLAEYVVRTFALERRGYSARHEVRQFHFTAWPEHGVPHYHATGLLAFIRRVKASTPPDAGP

IVIHCSAGTGRTGCYIVLDVMLDMAECEGVVDIYNVCVKTLCSSRRVNMIIQTEEQYIFIHDA
ILEACLCGETTIPVSEFKATYKEMIRIDPQSNSSQLREEFQTLNSVTPPLDVEECISALL
PRNRDKNRSMMDVLPDRCLPFLISTDGDSSNNYINAAALTDSYTRSAAFIVTLHPLQSTTPD
FWRLVYDYGCTSIIVMLNQLNQSNSAWPCLQYWPEPGRQQYGLMEVEFMSGTADEDLVARV
FRVQNISRLQEGHLLVRHFQFLRWSAYRDTPSKKAFLHLLAEVDKWQAESGDGRTIVHC
LNGGGRSGTFCACATVLEMIRCHNLVDVFFAAKTLRNYKPNMIVETMDQYHFCYDVALEYL
EGLESR

>sp|Q969T9|WBP2_HUMAN WW domain-binding protein 2 OS=Homo sapiens OX=9606
GN=WBP2 PE=1 SV=1

MALNKNHSEGGGVIVNNTESILMSYDHVELTFNDMKNVPEAFKGTGGTVYLTPIRVIFL
SKGKDAMQSFMMPPFYLMKDCEIKQPVFGANYIKGTVKAEAGGGWEGSASYKLFTTAGGAI
EFGQRMLQVASQASRGEVPSGAYGYSYMPSGAYVYPPPVANGMYPCPPGYPPPPPEFY
PGPPMMDGAMGYVQPPPPYPGPMPEPPVSGPDVPSTPAAEAKAAEAAASAYNPGNPHNV
YMPTSQPPPPPPYPPEDKKTQ

>sp|Q9BX67|JAM3_HUMAN Junctional adhesion molecule C OS=Homo sapiens OX=9606
GN=JAM3 PE=1 SV=1

MALRRPPRLRLCARLPDFFLLLLFRGCLIGAVNLKSSNRTPVVQEFESVELSCIITDSQT
SDPRIEWKKIQDEQTTYVFFDNKIQGDLAGRAEILGKTSLKIWNVTRRDSALYRCEVVAR
NDRKEIDEIVIELTVQVKPVPVCRVPKAVPVGKMATLHCQESEGHPRPHYSWYRNDVPL
PTDSRANPRFRNSSFHLNSETGTLVFTAVHKDDSGQYYCIASNDAGSARCEEQEMEYVDL
NIGGIIGGVLVVLAVLALITLGICCAYYRRGYFINNKQDGESYKNPGKPDGVNYIRTDEEG
DFRHKSSFVI

>sp|P0DP57|SLUR2_HUMAN Secreted Ly-6/uPAR domain-containing protein 2 OS=Homo
sapiens OX=9606 GN=SLURP2 PE=1 SV=1

MQLGTGLLLA AVLSLQLAAAEAIWCHQCTGFGGCSHGSRCLRDSTHCVTTATRVLSNTED
LPLVTMCHIGCPDIPSLGLGPYVSIACCCQTSLCNHD

>sp|P0DP58|LYNX1_HUMAN Ly-6/neurotoxin-like protein 1 OS=Homo sapiens OX=9606
GN=LYNX1 PE=1 SV=1

MTPLLTLLVLVLMGLPLAQALDCHVCAYNGDNCFNPMRCPAMVAYCMTTRTYTPTRMKV
SKSCVPRCFETVYDGYSKHASTTSCCQYDLCNGTGLATPATLALAPILLATLWGLL

>sp|Q9GZP4|PITH1_HUMAN PITH domain-containing protein 1 OS=Homo sapiens OX=9606
GN=PITHD1 PE=1 SV=1

MSHGHSHGGGGCRCAAREEPPEQRGLAYGLYLRIDLERLQCLNESREGSGRGVFKPWEE
RTDRSKFVESDADEELLFNIPFTGNVCLKGIIIMGEDDDSHPSMRLYKNIPQMSFDDTE
REPDQTFSLNRDLTGELEYATKISRFSNVYHLSIHISKNFGADTTKVFIYIGLRGEWTEL
RHEVTICNYESANPADHRVHQVTPQTHFIS

>sp|B3SHH9|TM114_HUMAN Transmembrane protein 114 OS=Homo sapiens OX=9606
GN=TMEM114 PE=1 SV=2

MRVHLGGLAGAAALTGALSFVLLAAAIGTDFWYIIDTERLERTGPGAQDLLGSINRSQPE
PLSSHSGLWRTCRVQSPCTPLMNPFRLENTVSESSRQLLTMHGT FVILLPLSLILMVFG
GMTGFLSFLQAYLLLLLTGILFLFGAMVTLAGISVYIAYSAAAFREALCLLEEKALLDQ
VDISFGWSLALGWISFIAELLTGAAFLAAARELSLRRRQDQAI

>sp|O00303|EIF3F_HUMAN Eukaryotic translation initiation factor 3 subunit F OS=Homo
sapiens OX=9606 GN=EIF3F PE=1 SV=1

MATPAVPVSAPPATPTVPVAAAASVPAPTAPAAAAPVAAAAPASSSDPAAAAAATAAPG
QTPASQAQAQTPAPALPGPALPGPFPGGRVRLHPVILASIVDSYERRNEGAARVIGTL
LGTVDKHSVEVTNCFSPVPHNESEDEVAVDMEFAKNMYELHKKVSPNELILGWYATGHDIT
EHSVLIHEYYSREAPNPIHLTVDTSLQNGRMSIKAYVSTLMGVPGRTMGVMFTPLTVKYA
YYDTERIGVDLIMKTCFSPNRVIGLSSDLQQVGGASARIQDALSTVLQYAEDVLSGKVSA
DNTVGRFLMSLVNQVPKIVPDDFETMLNSNINDLLMVTYLANLTQSQIALNEKLVNL
>sp|O00442|RTCA_HUMAN RNA 3'-terminal phosphate cyclase OS=Homo sapiens OX=9606
GN=RTCA PE=1 SV=1

MAGPRVEVDGSGIMEGGGQILRVSTALSCLLGLPLRVQKIRAGRSTPGLRPQHLSGLEMIR
DLCDGQLEGAEIGSTEITFTPEKIKGGIHTADTKTAGSVCLLMQVSMPCVLFAASPSELH
LKGGTNAEMAPQIDYTMVFKPIVEKFGFIFNCDIKTRGYYPKGGGEVIVRMSPVKQLNP
INLTERGCVTKIYGRAFVAGVLPFKVAKDMAAAVRCIRKEIRDLYVNIQPVQEPKDAQF
GNGNGIIIAETSTGCLFAGSSLGKRGVNADKVGIEAAEMLLANLRHGGTVDEYLQDQLI
VFMALANGVSRITGTPVTLHTQTAIHFAEQIAKAKFIVKKSEDEEDAAKDTYIIECQGIG
MTNPNL

>sp|O14672|ADA10_HUMAN Disintegrin and metalloproteinase domain-containing protein 10
OS=Homo sapiens OX=9606 GN=ADAM10 PE=1 SV=1

MVLLRLVILLLSWAAGMGGQYGNPLNKYIRHYEGLSYNVDSLHQQKHQRAKRAVSHEDQFL
RLDFHAHGRHFNLRMKRDTSLFSEDFKVETSNKVLDTSHIYTGHIYGEESFSHGSVI
DGRFEGFIQTRGGTFYVEPAERYIKDRTLPHFSVIYHEDDINYPHKYGPQGGCADHSVFE
RMRKYQMTGVEEVTQIPQEEHAANGPELLRKKRTTSAEKNTCQLYIQTDHLFFKYYGTRE
AVIAQISSHVKAIDTIYQTTDFSGIRNISFMVKRIRINTTADEKDPTNPFRRPNIGVEKF
LELNSEQNHDDYCLAYVFTDRDFDDGVLGLAWVGAPSGSSGGICEKSKLYSDGKKKSLNT
GIITVQNYGSHVPPKVSHITFAHEVGHNFGSPHDSGTECTPGESKNLGQKENGNYIMYAR
ATSGDKLNNNKFSLCSIRNISQVLEKKRNCFVESGQPICGNGMVEQGEEDCGYSDQCK
DECCFDANQPEGRKCKLPGKQCSPSQGPCCTAQCAFKSKSEKCRDDSDCAREGICNGFT
ALCPASDPKPNFTDCNRHTQVCINGQCAGSICEKYGLEECTCASSDGKDDKELCHVCCMK
KMDPSTCASTGSVQWSRHFSGRTITLQPGSPCNDFRGYCDVFMRCRLVDADGPLARLKKA
IFSPELYENIAEWIVAHWWAVLLMGIALIMLMAGFIKICSVHTPSSNPKLPPPKPLPGTL
KRRRPPQPIQQPQRRQRPRESYQMGHMR

>sp|P00450|CERU_HUMAN Ceruloplasmin OS=Homo sapiens OX=9606 GN=CP PE=1 SV=2

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DRIGRLYKKALYLQYTDETFRTTIEKPVWLGLGPIIKAETGDKVYVHLKNLASRPYTFH
SHGITYYKEHEGAIIYDNTTDFQRADDKVYPGEQYTYMLLATEEQSPGEGDGNCVTRIYH
SHIDAPKDIASGLIGPLIICKKDSLDKEKEKHIDREFVVMFSVVDENFSWYLEDNIKTYC
SEPEKVDKDNEDFQESNRMYSVNGYTFGSLPGLSMCAEDRVKWYLFMGMGNEVDVHAFFH
GQALTNNKYRIDTINLFPATLFDAYMVAQNPGEWMLSCQNLNHLKAGLQAFFQVQECNKS
SSKDNIRGKHVRHYIIAAEEIIWNYAPSGIDIFTKENLTAPGSDSAVFFEQGTTRIGGSY
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RFNKNNEGTYYSYNNPQSRVPPSASHVAPTETFTYEWTVPKEVGPTNADPVCLAKMY
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TTAPDQVDKEDEDFQESNKMHSNMNGFMYGNGPGLTMCKGDSVVWYLFSGNEADVHGIYF
SGNTYLWRGERRDTANLFPQTSLTHMWPDTTEGTFNVECLTDDHYTGGMKQKYTVNQCR
QSEDSTFYLGERTYYIAAVEVEWDYSPQREWEKELHHLQEQQNVSNFLDKGEFYIGSKYK

KVVYRQYTDSTFRVPVERKAEEEHLGILGPQLHADVGDKVKIIFKNMATRPYSIHAHGVQ
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 RRPYLKVFNPRRKLEFALLFLVFDENESWYLLDDNIKTYS DHPEKVNKDDEEFIESNKMHA
 INGRMFGNLQGLTMHVGDEVNWYLMGMGNEIDLHTVHFHGHFSFYKHRGVYSSDVFDIFP
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 >sp|P00491|PNPH_HUMAN Purine nucleoside phosphorylase OS=Homo sapiens OX=9606
 GN=PNP PE=1 SV=2
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 NPKFEVGDIMLIRDHINLPGFSGQNPLRGPNDERFGDRFPAMSDAYDRTMRQRALSTWKQ
 MGEQRELQEGTYVMVAGPSFETVAECRVLQKLGA DAVGMSTVPEVIVARHCGLRVFGFSL
 ITNKVIMDYESLEKANHEEVLAAGKQAAQKLEQFVSILMASIPLPKAS
 >sp|P18124|RL7_HUMAN Large ribosomal subunit protein uL30 OS=Homo sapiens OX=9606
 GN=RPL7 PE=1 SV=1
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 YRQMYRTEIRMARMARKAGNFYVPAEPKLA FVIRIRGINGVSPKVRKVLQLRLRQIFNG
 TFKVLNKASINMLRIVEPYIAWGYPNLKSVNELIYKRGYKINKKRIALTDNALIARSLG
 KYGIICMEDLIHEIYTVGKRFEANNFLWPFKLSSPRGGMKKKTTHFVEGGDAGNREDQI
 NRLIRRMN
 >sp|P26232|CTNA2_HUMAN Catenin alpha-2 OS=Homo sapiens OX=9606 GN=CTNNA2 PE=1
 SV=5
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 AASVEQATQNFLEKGEQIAKESQDLKEELVA AVEDVRKQGETMRIASSEFADDP CSSVKR
 GTMVRAARALLSAVTRLLILADMADVMRLSLHLKIVEEAEAVKNATNEQDLANRFKEFG
 KEMVKLNYVAARRQQELKDPHCRDEMAAARGALKKNATMLYTASQAFLRHPDVAATRANR
 DYVFKQVQEAIAGISNAAQATSPTDEAKGHTGIGELAAALNEFDNKIILDPMTFSEARFR
 PSLEERLESISGAALMADSSCTRDDRERIVAECNAVRQALQDLLSEYMNNTGRKEKGD
 PLNIAIDKMTKKTRDLRRQLRKAVMDHISDSFLETNVPLLVLIEAAKSGNEKEVKEYAQV
 FREHANKLVEVANLACISISNNEEGVKLV RMAATQIDSLCPQVINAALT LAARPQSKVAQD
 NMDVFKDQWEKQVRVLTEAVDDITSVDDF LSVSENHILEDVNKCVIALQEGDVDTLDRTA
 GAIRGRAARVIHIINAEMENYEAGVYTEKVLEATKLLSETVMPRFAEQVEVAIEALSANV
 PQPFEENE FIDASRLVYDGV RDIRKAVLMIRTPEELEDSDFEQEDYDVRSR TSVQTEDD
 QLIAGQSARAIMAQLPQEEKAKIAEQVEIFH QEKS KLDAEVAKWDDSGNDIIVLAKQMCM
 IMMEMTDFTRGKGPLKNTSDVINAAKKIAEAGSRMDKLARAVADQCPDSACKQDLLAYLQ
 RIALYCHQLNICKVKAQVQNLGGELIVSGTGVQSTFTTFYEVDCDVIDGGRASQLSTHL
 PTCAEGAPIGSGSSDSSMLDSATSLIQA AKNLMNAVVLTVKASYVASTKYQKVYGTAAVN
 SPVVSWKMKAPEKKPLVKREKPEEFQTRVRRGSQKKHISPVQALSEFKAMDSF
 >sp|P31946|1433B_HUMAN 14-3-3 protein beta/alpha OS=Homo sapiens OX=9606
 GN=YWHAB PE=1 SV=3
 MTMDKSELVQKAKLAEQAERYDDMAAAMKAVTEQGH ELSNEERNLLSVAYKNVVGARRSS
 WRVISSIEQKTERNEKKQMGKEYREKIEAELQD ICNDVLELLDKYLIPNATQPESKVFY
 LKMKGDYFRYLSEVASGDNKQTTVSNSQQAYQEA FEISKKEMQPTHPIRLGLALNFSVFY
 YEILNSPEKACSLAKTAFDEAIAELDTLNEESYKDSTLIMQLLRDNLTLWTSENQGD EGD
 AGEGEN

>sp|P36955|PEDF_HUMAN Pigment epithelium-derived factor OS=Homo sapiens OX=9606
GN=SERPINF1 PE=1 SV=4

MQALVLLLCIGALLGHSSCQNPASPPEEGSPDPDSTGALVEEEDPFFKVPVNKLAAAVSN
FGYDLYRVRSSSTPTTNVLLSPLSVATALSALSGLAEQRTESIIHRALYYDLISSPDIHG
TYKELLDTVTAPQKNLKSASRIVFEKKLRIKSSFVAPLEKSYGTRPRVLTGNPRLDLQEI
NNWVQAQMKGKLARSTKEIPDEISILLGLVAHFQGWVTKFDSRKSLEDFYLDEERTVR
VPMMSDPKAVLRYGLDSDLSCKIAQLPLTGSMIIFFLPLKVTQNLTLIEESLTSEFIHD
IDRELKTVQAVLTPKLLSYEGEVTKSLQEMKLQSLFDSPDFSKITGKPIKLTQVEHRA
GFEWNEDGAGTTPSPGLQPAHLTFPLDYHLNQPFIFVLRD TDTGALLFIGKILDPRGP

>sp|P40925|MDHC_HUMAN Malate dehydrogenase, cytoplasmic OS=Homo sapiens OX=9606
GN=MDH1 PE=1 SV=4

MSEPIRVLTGAAGQIAYSLYSIGNGSVFGKDQPIILVLLDITPMMGVLDGVLMELODC
ALPLLKDVIATDKEDVAFKDLDAVLVGSMPRREGMERKDLLKANVKIFKSQGAALDKYA
KKS VKVIVVGNPANTNCLTASKSAPSIPKENFSCLTRLDHNRKAQIALKLGVTANDVKN
VIIWGNHSSTQYPDVNHAKVKLQGKEVGVYEALKDDSWLKGEFVTTVQQRGA AVIKARKL
SSAMSAKAICDHVRDIWFGTPEGFEVSMGVISDGNSYGVPPDLLYSFPVVIKNKTWKVF
EGLPINDFSREKMDLTAKELTEEKESAFEFLSSA

>sp|P49327|FAS_HUMAN Fatty acid synthase OS=Homo sapiens OX=9606 GN=FASN PE=1 SV=3

MEEVVIAGMSGKLPESENQEFWDNLIGGVDMVTDDRRWKAGLYGLPRRSGKLKDL SRF
DASFFGVHPKQAHTMDPQLRLLLEVTYE AIVDGGINPDSL RGTHTGVWVGVS GSETSEAL
SRDPETLVGYSMVGCQRAMMANRLSFFDFRGP SIALDTACSSSLMALQNAYQAIHSGQC
PAAIVGGINVLLKPNTSVQFLRLGMLSPEGTCKAFDTAGNGYCRSEGVVAVLLTKKSLAR
RVYATILNAGTNTDGFKEQGVTFPSGDIQEQLIRSLYQSAGVAPESFEYIEAHGTGTVG
DPQELNGITRALCATRQEPLIGSTKSNMGHPEPASGLAALAKVLLSLEHGLWAPNLHFH
SPNPEIPALLDGR LQVVDQPLPVRGGNVGINSFGFGGSNVHIILRPNTQPPAPAPHATL
PRLLRASGRTP EAVQKLEQLRHSQDLAFLSMLNDIAAVPATAMPFRGYAVLGGERGGP
EVQQVPAGERPLW FICSGMGTQWRGMGLSLMRLDRFRDSILRSDEAVKPFGLKVSQ LLS
TDESTFDDIVHSFVSLTAIQIGLIDLLSCMGLRPDGIVGHSLGEVACGYADGCLSQEEAV
LAAYWRGQC IKAHLPPGAMAAVGLSWECKQRCPPGVVPACHNSKDTVTISGPQAPVFE
FVEQLRKEGVFAKEVRTGGMAFHSYFMEAIAPLLQELKKVIREPKPRSARWLSTSIPEA
QWHSSLARTSSAEYNVNNLVSPVLFQEALWHVPEHAVVLEIAPHALLQAVLKRGLKPSCT
IIPLMKKDHRDNLEFFLAGIGRLHLSGIDANPNALFPPVEFPAPRGTP LISPLIKWDHSL
AWDVPAAEDFPNGSGSPSAIYNIDTSSSPDHVLDHTLDGRVLPATGYLSIVWKT LA
RALGLGVEQLPVVFEDVVLHQATILPKTGTVSLEVR LLEASRAFEVSENGNLVVS GKVYQ
WDDPDPRLFDHPESPTPNPTEPLFLAQAEVYKELRLRGYDYGPHFQGILEASLEGDSGRL
LWKDNWVSFMDTMLQMSILGSAKHGLYLPTRVTAIHIDPATHRQKLYTLQDKAQVADV VV
SRWLRTVAGGVHISGLHTESAPRRQQEQQVPILEKFCFTPHT EEGCLSERAA LQEELQL
CKGLVQALQTKVTQQGLKMVVPGLDGAQIPRDPSQQELPRLLSAACRLQLNGNLQLELAQ
VLAQERPKLPEDPLLSGLLDSPALKACLDTAVENMPSLKMKVVEVL AGHGHLYSRIPGLL
SPHPLLQLSYTATDRHPQALEAAQAE LQQHDVAQGGQWDPADPAPSALGSADLLVCNCAVA
ALGDPASALSNMVAALREGGFLLHTLLRGHPLGDIVAFLTSTEPQYGGILSQDAWESL
FSRVSLRLVGLKKSFYGSTLFLCRRPTPQDSPIFLPVDDTSFRWVESLKGILADEDSSRP
VWLKAINCATSGVVGLVNCLRREP GGNRLRCVLLSNLSSTSHVPEVDPGSAELQKV LQGD
LVMNVYRDGAWGAFRHFLLEEDKPEEPTAHAFVSTLTRGDLSSIRWVCSSLRHAQPTCPG

AQLCTVYYASLNFRDIMLATGKLSPPDAIPGKWTSQDSLLGMEFSGRDASGKRVMGLVPAK
GLATSVLLSPDFLWDVPSNWTLEEAASVPVVYSTAYYALVVRGRVRPGETLLIHSGSGGV
GQAAIAIALSLGCRVFTTVGSAEKRAYLQARFPQLDSTSFANSRDTSEFQHVWLWHTGGKG
VDLVLNSLAEELQASVRCLATHGRFLEIGKFDLSQNHPLGMAIFLKNVTFHGVLLDAFF
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PEAVLKGAQPKLMSAISKTFCPAHKSYIIAGGLGGFLELAQWLIQRGVQKLVLTSSRGI
RTGYQAKQVRRWRRQGVQVQVSTSNISSELEGARGLIAEAAQLGPVGGVFNLAVVLRDGLL
ENQTPEFFQDVCKPKYSGTLNLDRTREACPELDYFVVFSSVSCGRGNAGQSNGYGFANSA
MERICEKRRHEGLPLAVQWGAIGDVGILVETMSTNDTIVSGTLPQRMASCLEVLDLFLN
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EVRQTLERELNLVLSVREVRQLTLRKLQELSSKADEASELACPTPKEDGLAQQQTQLNLR
SLLVNPEGPTLMRLNSVQSSERPLFLVHPIEGSTTVFHSLASRLSIPTYGLQCTRAAPLD
SIHSLAAYYIDCIRQVQPEGYPYRVAGYSYGACVAFEMCSQLQAQQSPAPTHNSLFLFDGS
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VDLIKSHQGLDRQELSFAARSFYKLRAAEQYTPKAKYHGNVMLLRAKTGGAYGEDLGA
DYNLSQVCDGKVSVHVIEGDHRTLLEGSGLESIIIIHSSLAEPVSVREG
>sp|P54289|CA2D1_HUMAN Voltage-dependent calcium channel subunit alpha-2/delta-1
OS=Homo sapiens OX=9606 GN=CACNA2D1 PE=1 SV=3
MAAGCLLALTTLFQSLIGPSSEEPFSAVTIKSWVDKMQEDLVTAKTASGVNQLVDI
YEKYQDLYTVEPNARQLVEIAARDIEKLLSNRSKALVRLALEAEKVQAAHQWREDFASN
EVVYYNAKDDLDPEKNDSEPGSQRIKPVFIEDANFGRQISYQHAHVHIPTDIYEGSTIVL
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RPWYIQGAASPKDMLILVDVSGSVSGLTLKLRTSVSEMLETSLDDDFVNVASFNSNAQD
VSCFQHLVQANVRNKKVLKDAVNITAKGITDYKKGFSFAFEQLLNYNVSRANCNKIIML
FTDGGEERAQEIFNKYNKDKKVRVFTFSVGQHNYDRGPIQWMACENKGYEIPSIGAIR
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DKGNRTYTWTVPVNGTDYSLALVLTYSFYIKAKLEETITQARYSETLKPDNFEESGYTF
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CKRNSDVMDCVILDDGGFLMANHDDYTNIQGRFFGEIDPSLMRHLVNISSVYAFNKSYDY
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LWYIIGIQFLLLWLVSGSTHRL
>sp|P60842|IF4A1_HUMAN Eukaryotic initiation factor 4A-I OS=Homo sapiens OX=9606
GN=EIF4A1 PE=1 SV=1
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RAILPCIKGYDVIAQAQSGTGKTATFAISILQQIELDLKATQALVLAPTRELAQQIQKVV
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GRGGRFGRKGVAINMVTEEDKRTLRIETFYNTSIEEMPLNVADLI
>sp|P68104|EF1A1_HUMAN Elongation factor 1-alpha 1 OS=Homo sapiens OX=9606
GN=EEF1A1 PE=1 SV=1

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>sp|Q16563|SYPL1_HUMAN Synaptophysin-like protein 1 OS=Homo sapiens OX=9606
GN=SYPL1 PE=1 SV=1

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>tr|Q32Q12|Q32Q12_HUMAN Nucleoside diphosphate kinase OS=Homo sapiens OX=9606
GN=NME1-NME2 PE=1 SV=1

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>sp|Q5T4S7|UBR4_HUMAN E3 ubiquitin-protein ligase UBR4 OS=Homo sapiens OX=9606
GN=UBR4 PE=1 SV=1

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>sp|Q8N126|CADM3_HUMAN Cell adhesion molecule 3 OS=Homo sapiens OX=9606
GN=CADM3 PE=1 SV=1

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>sp|Q93088|BHMT1_HUMAN Betaine--homocysteine S-methyltransferase 1 OS=Homo sapiens
OX=9606 GN=BHMT PE=1 SV=2

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>sp|Q9BRJ7|TIRR_HUMAN Tudor-interacting repair regulator protein OS=Homo sapiens
OX=9606 GN=NUDT16L1 PE=1 SV=1

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>sp|Q9NQE9|HINT3_HUMAN Adenosine 5'-monophosphoramidase HINT3 OS=Homo sapiens
OX=9606 GN=HINT3 PE=1 SV=1

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RT

>sp|Q9P0S9|TM14C_HUMAN Transmembrane protein 14C OS=Homo sapiens OX=9606
GN=TMEM14C PE=1 SV=1

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>sp|Q9UJ70|NAGK_HUMAN N-acetyl-D-glucosamine kinase OS=Homo sapiens OX=9606
GN=NAGK PE=1 SV=4

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>sp|Q9Y2H2|SAC2_HUMAN Phosphatidylinositide phosphatase SAC2 OS=Homo sapiens
OX=9606 GN=INPP5F PE=1 SV=3

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>tr|Q9Y509|Q9Y509_HUMAN VH3 protein (Fragment) OS=Homo sapiens OX=9606 GN=VH3
PE=2 SV=1

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>sp|Q15772|SPEG_HUMAN Striated muscle preferentially expressed protein kinase OS=Homo
sapiens OX=9606 GN=SPEG PE=1 SV=4

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>tr|Q5EBM2|Q5EBM2_HUMAN Ig-like domain-containing protein OS=Homo sapiens OX=9606
PE=1 SV=1

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>sp|Q9Y2K7|KDM2A_HUMAN Lysine-specific demethylase 2A OS=Homo sapiens OX=9606
GN=KDM2A PE=1 SV=3

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>sp|P22061|PIMT_HUMAN Protein-L-isoaspartate(D-aspartate) O-methyltransferase OS=Homo sapiens OX=9606 GN=PCMT1 PE=1 SV=4

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>sp|P48147|PPCE_HUMAN Prolyl endopeptidase OS=Homo sapiens OX=9606 GN=PREP PE=1 SV=2

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CSDSKQHFELWLKYSPLHNVLKPEADDIQPSMILLTADHDDRVPVPLHSLKFIATLQYIV
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>sp|P78371|TCPB_HUMAN T-complex protein 1 subunit beta OS=Homo sapiens OX=9606 GN=CCT2 PE=1 SV=4

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>sp|Q13443|ADAM9_HUMAN Disintegrin and metalloproteinase domain-containing protein 9 OS=Homo sapiens OX=9606 GN=ADAM9 PE=1 SV=1

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>sp|Q96FW1|OTUB1_HUMAN Ubiquitin thioesterase OTUB1 OS=Homo sapiens OX=9606
GN=OTUB1 PE=1 SV=2

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SKEDLVSQGFTEFTIEDFHNTFMDLIEQVEKQTSVADLLASFNDQSTS DYLVVYLRLLTS
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>sp|Q9NQ79|CRAC1_HUMAN Cartilage acidic protein 1 OS=Homo sapiens OX=9606
GN=CRTAC1 PE=1 SV=2

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C

>sp|Q9UHN6|CEIP2_HUMAN Inactive cell surface hyaluronidase CEMIP2 OS=Homo sapiens
OX=9606 GN=CEMIP2 PE=1 SV=1

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KAH

>sp|A1L0T0|HACL2_HUMAN 2-hydroxyacyl-CoA lyase 2 OS=Homo sapiens OX=9606 GN=ILVBL
PE=1 SV=2

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>tr|O75546|O75546_HUMAN small monomeric GTPase (Fragment) OS=Homo sapiens
OX=9606 PE=2 SV=1

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>sp|O94956|SO2B1_HUMAN Solute carrier organic anion transporter family member 2B1
OS=Homo sapiens OX=9606 GN=SLCO2B1 PE=1 SV=3

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