

Ser #	Accession Number	Fold Change (AD/Normal)	Protein Name	Gene
1	IPI00000816	0.09	14-3-3 protein epsilon (tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon polypeptide)	YWHAE
2	IPI00219525	0.24	6-Phosphogluconate dehydrogenase, decarboxylating*	
3	IPI00027509	9.06	92 kDa Type IV Collagenase precursor (matrix metalloproteinase 9)	MMP9
4	IPI00008274	8.13	Adenylyl cyclase-associated protein	CAP1
5	IPI00031131	0.24	Adipocyte plasma membrane-associated protein (chromosome 20 open reading frame 3) (human RBC acid phosphatase 99% homology IPI00000115)	C20orf3
6	IPI00007188	0.38	ADP,ATP carrier protein, fibroblast isoform (similar to ADP/ATP translocase 2, ANT 2, ADP,ATP carrier protein 2, Solute carrier family 25 member 5)	SLC25A5 (LOC442525)
7	IPI00215917	5.91	ADP-ribosylation factor 3*	ARF3
8	IPI00180818	0.18	Aldolase A*	ALDOA
9	IPI00305457	0.45	Alpha-1-antitrypsin precursor (Alpha-1 protease inhibitor) (Alpha-1-antiproteinase)	SERPINA1
10	IPI00009253	5.33	Alpha-soluble NSF attachment protein (SNAP-alpha) (N-ethylmaleimide-sensitive factor attachment protein alpha)'	NAPA
11	IPI00010314	1.78	Aminolevulinate, delta-, dehydratase (delta-aminolevulinic acid dehydratase)	ALAD
12	IPI00024689	2.61	Aquaporin-CHIP (aquaporin 1 (Colton blood group))	AQP-1
13	IPI00291560	0.08	Arginase type I erythroid variant	ARG-1
14	IPI00016638	2.95	ATP synthase alpha chain, mitochondrial precursor	ATP5A1
15	IPI00014555	2.43	ATP-binding cassette, sub-family B, member 6, mitochondrial precursor	ABCB6
16	IPI00021290	0.09	ATP-citrate synthase (EC 2.3.3.8) (ATP citrate lyase isoform 1)	ACLY
17	IPI00218019	0.01	Basigin long isoform	BSG
18	IPI00025084	0.11	Calcium-dependent protease, small subunit (calpain, small subunit 1)	CAPNS1
19	IPI00027462	3.38	Calgranulin B (S100 calcium binding protein A9)	S100A9
20	IPI00020984	0.01	Calnexin precursor	CANX
21	IPI00011285	0.16	Calpain 1, large [catalytic] subunit*	CAPN1
22	IPI00021831	0.09	cAMP-dependent protein kinase type I-alpha regulatory chain	PRKAR1A
23	IPI00008388	0.19	CARBONYL reductase*	DCXR
24	IPI00233820	2.61	Catalase*	CAT
25	IPI00028064	0.3	Cathepsin G precursor	CTSG
26	IPI00024067	0.63	Clathrin heavy chain 1*	CLTC
27	IPI00012011	0.31	Cofilin, non-muscle isoform	CFL1
28	IPI00171844	0.06	COP9 subunit 4 (COP9 signalosome complex subunit 4, Signalosome subunit 4, JAB1-containing signalosome subunit 4)*	COPS4
29	IPI00218646	0.39	Cytochrome b-245, beta polypeptide (chronic granulomatous disease)	CYBB
30	IPI00031618	0.04	DNA-damage inducible protein 2*	DDI2
31	IPI00103204	0.29	DnaJ homolog subfamily A member 4 (Hsp40)	DNAJA4
32	IPI00301271	0.01	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 63 kDa subunit precursor (ribophorin II precursor)	RPN2
33	IPI00025427	1.92	Eosinophil cationic protein precursor (RNase 3)	RNASE3
34	IPI00010341	0.22	Eosinophil granule major basic protein precursor (Proteoglycan 2, natural killer cell activator)	PRG2
35	IPI00186072	0.23	Equilibrative nucleoside transporter 1 (solute carrier family 29 (nucleoside transporters), member 1)	SLC29A1
36	IPI00028120	1.71	Erythrocyte membrane protein band 4.2	EPB42
37	IPI00044556	0.03	Erythroid membrane-associated protein	ERMAP
38	IPI00376005	0.08	Eukaryotic initiation factor 5A isoform I variant A*	EIF5A
39	IPI00025447	3.06	Eukaryotic translation elongation factor 1-alpha 1*	EEF1A1

40	IPI00232533	0.09	Eukaryotic translation initiation factor 1A, X-chromosomal (X-linked eukaryotic translation initiation factor 1A)	EIF1AP1 (EIF1AX)
41	IPI00219678	2.78	Eukaryotic translation initiation factor 2, subunit 1 alpha, 35kDa*	EIF2S1
42	IPI00297982	0.21	Eukaryotic translation initiation factor 2, subunit 3 gamma, 52kDa	EIF2S3
43	IPI00220349	2.26	Eukaryotic translation initiation factor 2C 2	EIF2C2
44	IPI00298961	0.02	Exportin 1	XPO1
45	IPI00005969	7.84	F-actin capping protein alpha-1 subunit	CAPZA1
46	IPI00294567	0.06	F-box only protein 7*	FBXO7
47	IPI00375676	5.74	Ferritin light polypeptide variant (Hypothetical protein DKFZp686L19147)	FTL
48	IPI00219910	3.96	Flavin reductase ((NADPH-dependent diaphorase, NADPH-flavin reductase, Biliverdin reductase B)	BLVRB
49	IPI00027438	1.89	Flotillin-1	FLOT1
50	IPI00023729	2.19	Fructosamine-3-kinase	FN3K
51	IPI00219018	0.57	Glyceraldehyde-3-phosphate dehydrogenase	GAPDH
52	IPI00004524	0.23	Grancalcin (EF-hand calcium binding protein)	GCA
53	IPI00288947	0.64	Guanine nucleotide binding protein (G protein), q polypeptide	GNAQ
54	IPI00026268	0.51	Guanine nucleotide-binding protein G(I)/G(S)/G(T) beta subunit 1	GNB1
55	IPI00328602	123.42	Heat shock 90kDa protein 1, alpha	HSPCA
56	IPI00384051	0.13	Human full-length cDNA clone CS0DJ015YJ12 of T cells (Jurkat cell line) of Homo sapiens	
57	IPI00016255	0.18	Hypothetical protein LOC79887 (Hypothetical protein FLJ22662)	FLJ22662
58	IPI00218493	0.07	Hypoxanthine phosphoribosyltransferase 1	HPRT1
59	IPI00385058	0.67	Ig kappa chain C region (immunoglobulin kappa constant region)	IGKC
60	IPI00289634	0.22	Importin 9*	IPO9
61	IPI00155940	0.02	Importin alpha 7 subunit (karyopherin alpha 6)	KPNA6
62	IPI00001639	0.08	Importin beta-1 subunit (karyopherin beta 1)*	KPNB1
63	IPI00217987	0.55	Integrin alpha-M precursor	ITGAM
64	IPI00291792	0.37	Integrin beta-2 precursor*	ITGB2
65	IPI00100160	0.32	Isoform 1 of cullin-associated NEDDB-dissociated protein 1 (TIP120 protein, cullin-associated and neddylation-dissociated 1)	CAND1
66	IPI00183503	0.15	Isoform 1 of ubiquitin thioesterase OTU1 (Otubain-1, OTU domain-containing ubiquitin aldehyde-binding protein 1)	OTUB1
67	IPI00334649	261.65	Junction plakoglobin	JUP
68	IPI00220459	5.34	Kell blood group glycoprotein (Kell blood group, metallo- endopeptidase)	KEL
69	IPI00383406	2.49	Keratin 19	KRT19
70	IPI00009865	2.35	Keratin, type I cytoskeletal 1C	KRT10
71	IPI00019359	1.92	Keratin, type I cytoskeletal 9	KRT9
72	IPI00217966	634.23	L-lactate dehydrogenase A*	LDHA
73	IPI00219217	0.2	L-lactate dehydrogenase B*	LDHB
74	IPI00298860	2.88	Lactotransferrin precursor (Lactoferrin, Lactoferroxin A), growth- inhibiting protein 12	LTF
75	IPI00217975	0.26	Lamin B1	LMNB1
76	IPI00219220	0.1	Lectin, galactoside-binding, soluble, 3 (galectin 3, laminin-binding protein)	LGALS3
77	IPI00170959	0.11	Leucine-rich repeat-containing protein 57 (Hypothetical protein FLJ37572)	LRRC57
78	IPI00027444	6.73	Leukocyte elastase inhibitor (LEI), Monocyte/neutrophil elastase inhibitor, Serpin B1, serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 1	SERPINB1
79	IPI00027769	0.27	Leukocyte elastase precursor (elastase 2, neutrophil pre-protein)	ELA2
80	IPI00291006	0.03	Malate dehydrogenase, mitochondrial precursor	MDH2
81	IPI00386401	23.55	Methyl transferase-like protein 7A (Hypothetical protein FLJ13631)	METTL7A
82	IPI00218342	31.93	Methylenetetrahydrofolate dehydrogenase 1 (C-1-tetrahydrofolate synthase, cytoplasmic (C1-THF synthase))	MTHFD1

83	IPI00017596	0.17	Microtubule-associated protein RP/EB family member 1 (APC-binding protein EB1)	MAPRE1
84	IPI00027409	2.35	Myeloblastin precursor (Leukocyte proteinase 3)	PRTN3
85	IPI00013163	2.65	Myeloid cell nuclear differentiation antigen	MNDA
86	IPI00019502	0.31	Myosin heavy chain, nonmuscle type A (Non-muscle myosin heavy chain IIa), Cellular myosin heavy chain, type A	MYH9
87	IPI00374410	0.02	NADH-cytochrome b5 reductase (cytochrome b5 reductase isoform s)	CYB5R3
88	IPI00021827	5.38	Neutrophil defensin 3 precursor (HNP-3) (HP-3) (HP3) (Defensin, alpha 3), defensin, alpha 3 pre-protein	DEFA3
89	IPI00299547	1.72	Neutrophil gelatinase-associated lipocalin precursor (lipocalin 2)*	LCN2
90	IPI00010080	0.05	Oxidative-stress responsive 1*	OXSR1
91	IPI00021085	12.03	Peptidoglycan recognition protein precursor	PGLYRP1
92	IPI00220301	0.25	Peroxiredoxin 6	PRDX6
93	IPI00005181	0.47	Phospholipid scramblase 1	PLSCR1
94	IPI00301975	2.96	Placental ribonuclease inhibitor*	RNH1
95	IPI00183626	0.39	Polypyrimidine tract binding protein (polypyrimidine tract-binding protein 1 isoform a)	PTBP1
96	IPI00246058	0.01	Programmed cell death 6-interacting protein (PDCD6IP protein)	PDCD6IP
97	IPI00299000	0.58	Proliferation-associated protein 2G4	PA2G4
98	IPI00219622	0.43	Proteasome alpha 2 subunit*	PSMA2
99	IPI00009949	0.36	Proteasome inhibitor PI31 subunit*	PSMF1
100	IPI00028004	0.09	Proteasome subunit beta type 3*	PSMB3
101	IPI00025252	0.36	Protein disulfide isomerase A3 precursor, (Disulfide isomerase ER-60, ERp60, 58 kDa microsomal protein, 58 kDa glucose-regulated protein).	PDIA3
102	IPI00017672	1.83	Purine nucleoside phosphorylase (PNP), Inosine phosphorylase*	NP
103	IPI00305442	20.3	Putative glioblastoma cell differentiation-related protein	GBDR1
104	IPI00031461	0.29	Rab GDP dissociation inhibitor beta (Rab GDI beta), Guanosine diphosphate dissociation inhibitor 2, GDP dissociation inhibitor 2 isoform 1*	GDI2
105	IPI00020436	10.12	Ras-related protein Rab-11B (GTP-binding protein YPT3), RAB11B, member RAS oncogene family*	RAB11B
106	IPI00014577	1.98	Ras-related protein Rab-18, RAB18, member RAS oncogene family*	RAB18
107	IPI00008964	2.38	Ras-related protein Rab-1B, RAB1B, member RAS oncogene family*	RAB1B
108	IPI00007755	2.03	Ras-related protein Rab-21, RAB21, member RAS oncogene family	RAB21
109	IPI00016339	0.07	Ras-related protein Rab-5C, RAB5C, member RAS oncogene family isoform a	RAB5C
110	IPI00018364	2.18	Ras-related protein Rap-2b	RAP2B
111	IPI00028946	0.23	Reticulon protein 3, reticulon 3 isoform a	RTN3
112	IPI00020567	0.01	Rho-GTPase-activating protein 1*	ARHGAP1
113	IPI00335085	0.06	Ring finger protein 123	RNF123
114	IPI00298547	3.07	RNA-binding protein regulatory subunit	
115	IPI00305719	0.03	Selenium binding protein 1*	SELENBP1
116	IPI00022434	2.08	Serum albumin precursor	ALB
117	IPI00292993	0.48	Similar to bactericidal/permeability-increasing protein	LOC100134379
118	IPI00260020	26.51	Similar to Chain A, Crystal Structure Of The Radixin Ferm Domain Complexed With Inositol-(1,4,5)-Triphosphate*	RDX
119	IPI00328182	7.53	Similar to KIAA0573 protein	KIAA0573
120	IPI00374165	1.57	Similar to pote protein	LOC650770
121	IPI00376109	0.67	Similar to prolyl 4-hydroxylase, beta subunit	LOC728900
122	IPI00220194	1.53	Solute carrier family 2, facilitated glucose transporter, member 1	SLC2A1

123	IPI00216057	5.99	Sorbitol dehydrogenase (L-iditol 2-dehydrogenase)	SORD
124	IPI00220741	1.83	Spectrin alpha chain, erythrocyte	SPTA1
125	IPI00028160	0.39	Splice isoform 1 of P08397 Porphobilinogen deaminase (hydroxymethylbilane synthase isoform 1)	HMBS
126	IPI00003865	7.35	Splice isoform 1 of P11142 Heat shock cognate 71 kDa protein ((Heat shock 70 kDa protein 8))	HSPA8
127	IPI00020042	0.14	Splice isoform 1 of P43686 26S protease regulatory subunit 6B (Proteasome 26S subunit ATPase 4 isoform 1)	PSMC4
128	IPI00021983	0.07	Splice isoform 1 of Q92542 Nicastrin precursor	NCSTN
129	IPI00290416	0.39	Splice isoform 1 of Q9NTK5 Putative GTP-binding protein PTD004 (Obg-like ATPase 1, GTP-binding protein 9)	OLA1
130	IPI00218319	2.15	Splice isoform 2 of P06753 Tropomyosin alpha 3 chain (tropomyosin 3 isoform 2)	TPM3
131	IPI00216704	2.07	Splice isoform 2 of P11277 Spectrin beta chain, erythrocyte*	SPTB
132	IPI00016786	3.82	Splice isoform 2 of P21181 Cell division control protein 42 homolog (cell division cycle 42 isoform 1)	CDC42
133	IPI00220158	0.43	Splice isoform 3 of P35611 Alpha adducin (Erythrocyte adducin subunit alpha)*	ADD1
134	IPI00306667	0.32	Splice isoform CNPII of P09543 2',3'-cyclic nucleotide 3'-phosphodiesterase (CNPase)	CNP
135	IPI00013933	1.81	Splice isoform DPI of P15924 Desmoplakin (desmoplakin isoform I)	DSP
136	IPI00026299	4.03	Splice isoform Glycophorin C of P04921 Glycophorin C	GYPC
137	IPI00292290	0.3	Splice isoform Long of Q08495 Dematin (Erythrocyte membrane protein band 4.9)*	EPB49
138	IPI00029485	0.15	Splice isoform p150 of Q14203 Dynactin 1	DCTN1
139	IPI00012490	1.8	Splice isoform XD of P23634 Plasma membrane calcium-transporting ATPase 4 (PMCA4), (Plasma membrane calcium ATPase isoform 4), (Plasma membrane calcium pump isoform 4), (Matrix-remodeling-associated protein 1)	ATP2B4
140	IPI00007676	1.96	Steroid dehydrogenase homolog	HSD17B12
141	IPI00290566	0.3	T-complex protein 1, alpha subunit (T-complex protein 1 isoform a)*	TCP1
142	IPI00297779	0.17	T-complex protein 1, beta subunit (chaperonin containing TCP1, subunit 2)*	CCT2
143	IPI00302927	1.59	T-complex protein 1, delta subunit (chaperonin containing TCP1, subunit 4 (delta))	CCT4
144	IPI00010720	0.27	T-complex protein 1, epsilon subunit (chaperonin containing TCP1, subunit 5 (epsilon))*	CCT5
145	IPI00018465	0.01	T-complex protein 1, eta subunit (chaperonin containing TCP1, subunit 7 isoform a)*	CCT7
146	IPI00027626	14.38	T-complex protein 1, zeta subunit	CCT6A
147	IPI00023591	0.12	Transcriptional activator protein PUR-alpha (purine-rich element binding protein A)	PURA
148	IPI00000010	21.81	Transforming protein p21b (c-K-ras2 protein isoform b, Kirsten rat sarcoma viral oncogene homolog)	KRAS
149	IPI00027500	10.16	Transforming protein RhoA	RHOA
150	IPI00022774	44.53	Transitional endoplasmic reticulum ATPase (TER ATPase) (15S Mg(2+)-ATPase p97 subunit) (Valosin containing protein) (VCP) [Contains: Valosin]	VCP
151	IPI00328807	0.06	Triosephosphate isomerase*	TPI1
152	IPI00298237	0.01	Tripeptidyl-peptidase I precursor	TPP1
153	IPI00002375	2.88	Tropomodulin 1	TMOD1
154	IPI00387144	0.66	Tubulin alpha-1 chain	TUBA1B
155	IPI00142634	59.23	Tubulin beta-5 chain	TUBB
156	IPI00007074	0.14	Tyrosyl-tRNA synthetase	YARS
157	IPI00026119	0.19	Ubiquitin-activating enzyme E1*	UBA1, UBA1B,
158	IPI00298337	0.38	Urea transporter, erythrocyte (solute carrier family 14 (urea transporter), member 2)	SLC14A2

159	IPI00008219	0.22	UV excision repair protein RAD23 homolog A (RAD23 homolog A)	RAD23A
160	IPI00216311	5.11	Villin 2 (cytovillin 2;, Ezrin) (has high degree of similarity within its N-terminal domain to the erythrocyte cytoskeletal protein, band 4.1, .Gould et al., EMBO Journal vol.8 no.13 pp.4133-4142, 1989)*	EZR

NB. Proteins shown in bold letters have been reported by Pasini et. al.[8] to be present in RBC membrane and those with asterisks have been reported by Goodman et. al. [7] to be present in whole RBC proteome.