

Gene Name	Gene ID	Protein ID	Peptide counts (no MG132)	Peptide counts (+ MG132)
Mitochondrial morphology				
DNM1L	10059	171460918	565	729
AKAP1	8165	4502015	612	544
INF2	64423	149999378	189	161
IMMT	10989	154354962	168	112
MF1	56947	31377607	167	136
USP30	84749	164607167	153	128
RHOT2	89941	20270303	71	57
PRKAR2A	5576	4758958	61	47
DNAJC11	55735	217035105	34	71
SAMM50	25813	225543166	34	17
FAM54A	113115	149999350	33	34
MTFR1	9650	224994160	23	22
CHCHD3	54927	8923390	23	23
MYO19	80179	254939537	19	20
FAM73A	374986	38348384	9	12
RHOT1	55288	75750470		45
MFN2	9927	189083768		19
Mitochondrial biogenesis and iron handling				
MTX3	345778	267844826	72	23
MTX2	10651	5729937	44	28
WDR41	55255	42716287	40	26
CISD1	55847	8923930	35	36
SMCR8	140775	146260268	21	16
ATAD1	84896	31377644	12	12
Metabolism				
HK1	3098	15991827	325	213
ALDH3A2	224	4557303	169	147
FKBP8	23770	52630440	123	109
MARCKS	54996	31542713	78	90
CYB5B	80777	83921614	48	46
GK	2710	189409120	47	12
NME3	4832	37693993	46	37
ATPAF1	64756	110349780	45	22
CYB5R3	1727	193794826	25	14
FAF2	23197	24797106	22	22
SLC16A1	6566	115583685	13	21
ATP5H	10476	51479152	10	1
ACSL4	2182	12669909	8	13
SCD	6319	53759151		23
HMGCR	3156	196049380		18
SLC25A4	291	55749577		16
Endoplasmic reticulum				
PDIA3	2923	21361657	65	27
UBXN4	23190	24307965	47	75
CKAP4	10970	19920317	39	6
P4HB	5034	20070125	30	3
PDIA4	9601	4758304	25	
ARMC10	83787	238776793	24	30
HYOU1	10525	195976805	14	
GANAB	23193	38202257	13	4
SRPRB	58477	284795266	8	9
PPP1R15B	84919	188219559		13
Apoptosis				
BCL2L13	23786	45243501	114	74
MTCH2	23788	7657347	6	46
BNIP3L	665	4757860	4	22
BAX	581	20631958		106
MTCH1	23787	7657345		44
BNIP3	664	7669481		27
MCL1	4170	11386165		12
ANKLE2	23141	148664230		11
TMBIM6	7009	148746181		9
MAGED1	9500	52632377		9

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Peroxisome				
ABCD3	5825	4506341	1537	973
PEX14	5195	4758896	176	108
ACBD5	91452	109689720	101	41
PEX5	5830	196259770	44	13
PEX19	5824	302370946	17	22
Cancer and signaling				
OCIAD1	54940	119874205	385	287
MAVS	57506	83776598	379	263
ZC3HAV1	56829	27477136	164	298
HSP90B1	7184	4507677	147	78
PTPN1	5770	4506289	141	91
PDCCL	5082	88758594	29	32
SYAP1	94056	19923855	33	43
GNB4	59345	11055998	21	7
SQSTM1	8878	214830438	19	67
NPLC4	55666	157426879	14	29
STUB1	10273	56181387	9	17
SCYL2	55681	47604944	8	2
VCP	7415	6005942	7	12
ADRM1	11047	28373192	7	8
BSG	682	38372925	2	14
GNB1	2782	11321585		25
MAGED2	10916	19387846		30
Other				
TDRKH	11022	145312246	196	147
YKT6	10652	5730120	118	132
EXD2	55218	301129155	110	71
ESYT1	23344	14149680	25	65
EHBP1	23301	217330568	23	14
ARFGAP1	55738	28416436	22	41
ERH	2079	4758302	20	9
SNAP47	116841	224465202	18	2
PPP2R2B	5521	188497696	17	20
FAM82A2	55177	8922532	15	1
IPO5	3843	24797086	12	21
FUND2	65991	24371248	9	5
GNAS	2778	117938759	8	70
FARSB	10056	124028525	8	3
SKA2	348235	32699054	8	2
STT3B	201595	30578410	7	7
SKA1	220134	21450832	6	13
XPO5	57510	22748937	6	13
RNF31	55072	109150431	6	9
ARL3	403	4757774	6	9
RF3	5983	108773789	6	5
CBX1	10951	187960037	6	5
CORO7	79585	168229161	6	4
RTN3	10313	41393604	6	3
AFG3L2	10939	300192933	5	10
EIF4E	1977	194578907	4	11
PSMD13	5719	157502193	4	8
LARP4	113251	283046701	3	22
CISD2	493856	56605994	2	6
NUP155	9631	4758844	14	44
C1orf212	113444	258679461	17	
SCFD1	23256	33469966	7	
MLX	6945	24586667		26
USP33	23032	42516561		20
TMEM199	147007	22748979		16
PLD6	201164	270265812		15
CSNK1A1	122011	269846834		14
MARCS				11
SEC11A	23478	7657609		7

BioID analysis of MAPL interacting proteins.

MAPL-BirA*Flag BioID results. Data are presented as spectral counts detected for each prey protein, as indicated. Two technical replicates were performed on each of two unique biological replicates (for a total of four MS analyses). Selection of preys was based on ProteinProphet confidence score ≥ 0.85 (FDR <1%) and SAINT Express score ≥ 0.9 . For control runs, only the highest four spectral counts (out of 16 runs) are shown.