

Gene Name	Protein Name	Length (aa)	Location	Pattern	UniProt ID
FGDF					
ASTN2	Astrotactin-2.	1339	1247 - 1250	NSHYEK FGDF VWRSEDE	O75129
BTA1	TATA-binding protein-associated factor 172	1849	355 - 358	VFALDR FGDF VSDVVA	O14981
CS044	Uncharacterized protein C19orf44.	657	15 - 18	RPMRDV FGDF SDVSL ED	Q9H6X5
DCBD2	Discoidin, CUB and LCCL domain-containing protein 2	775	115 - 118	ERVRIK FGDF DI ED SDS	Q96PD2
DHX37	Probable ATP-dependent RNA helicase DHX37	1157	689 - 692	LYSSAV FGDF EQFPPE	Q8IY37
DPOLB	DNA polymerase beta	335	143 - 146	RIGLKY FGDF EKRI PRE	P06746
FRPD4	FERM and PDZ domain-containing protein 4	1322	655 - 658	AKVSFI FGDF ALDDGIS	Q14CM0
PPARG	Peroxisome proliferator-activated receptor gamma	505	388 - 391	KSLRKP FGDF MEPK FEF	P37231
PTN21	Tyrosine-protein phosphatase non-receptor type 21	1174	152 - 155	LAVQAD FGDF DQ YESQD	Q16825
RAD21	Double-strand-break repair protein rad21 homolog	631	160 - 163	ILQEND FGDF GMDDREI	O60216
TTC23	Tetratricopeptide repeat protein 23	447	348 - 351	EAKVEA FGDF SP EV A ET	Q5W5X9
USP10	Ubiquitin carboxyl-terminal hydrolase 10	798	10 - 13	HSPQYI FGDF SP DE FNQ	Q14694
FGEF					
ASTN1	Astrotactin-1	1302	1210 - 1213	NQHYES FGEF TWRCEDE	O14525
CLCN6	Chloride transport protein 6	869	314 - 317	LPGLLN FGEF KCS DS DK	P51797
EBLN1	Endogenous Bornavirus-like nucleoprotein 1	366	211 - 214	LMFTFL FGEF ES PAC EL	POCF75
ORC4	Origin recognition complex subunit 4	436	129 - 132	EKIREY FGEF GE IE A IE	O43929
ROAA	Heterogeneous nuclear ribonucleoprotein A/B	332	174 - 177	EKIREY FGEF GE IE A IE	Q99729
FGSF					
FMN1	Formin-1	1419	250 - 253	PDTD LFGSF ETAFKDT	Q68DA7
ITB5	Integrin beta-5	799	179 - 182	SNFRL FGSF V DK DISP	P18084
KI2L1	Killer cell immunoglobulin-like receptor 2DL1	348	199 - 203	GGTYRC FGSF H DS PYEW	P43626
KI2L2	Killer cell immunoglobulin-like receptor 2DL2	348	199 - 202	GGTYRC FGSF RDSPYEW	P43627
KI2S3	Killer cell immunoglobulin-like receptor 2DS3	304	199 - 203	GGTYRC FGSF H DS PYEW	Q14952
KI3P1	Putative killer cell immunoglobulin-like receptor like protein KIR3DP1	328	294 - 297	GGTYRC FGSF RDSPYEW	A8MWS1
LIRA1	Leukocyte immunoglobulin-like receptor subfamily A member	489	151 - 154	CVSQVA FGSF FILCKE GE	O75019
LONP2	Lon protease homolog 2, peroxisomal	852	717 - 720	YQLTNA FGSF DL LD NTD	Q86WA8
LR14B	Leucine-rich repeat-containing protein 14B	514	477 - 480	QVSTPL FGSF DPDI Q ET	A6NHZ5
MAP1B	Microtubule-associated protein 1B	2468	1510 - 1513	QIDVSQ FGSF K ED TRMS	P46821
N4BP2	NEDD4-binding protein 2	1770	1099 - 1102	NILCKL FGSF SL E ALKD	Q86UW6
PO4F3	POU domain, class 4, transcription factor 3	338	46 - 49	QLQGN IFGSF DESLLAR	Q15319
RGS1	Regulator of G-protein signaling 1	209	99 - 102	QTGQNV FGSF FLK SE FSE	Q08116
SELO	Selenoprotein O	669	254 - 257	ASTF IFGSF E IF KSAD	Q9BVL4
SODM	Superoxide dismutase [Mn], mitochondrial	222	125 - 128	EAIKR DFGSF DK FK EKL	P04179
UNC80	Protein unc-80 homolog	3258	494 - 497	TRST FSFGSF SGL GE DR	Q8N2C7
VILI	Villin-1	827	37 - 40	PVPSST FGSF FDG DC YI	P09327

Table S1