

Product datasheet for **TP312893L**

Liprin alpha 1 (PPFIA1) (NM_177423) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 1 (PPFIA1), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC212893 representing NM_177423
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MMCEVMPTISEAEGPPGGGGHGGSGSPSQPDADSHFEQLMVSMLEERDRLLDRTLRETQETLALTQGKLHE
 VGHERDSLQRQLNTALPQEFAALTKELNVCREQLLEREEEEIAELKAERNNTRLLLEHLECLVSRHERSLR
 MTVVKRQAQSPAGVSSEVEVLKALKSLFEHHKALDEKVRERLRVALERCSLLEELGATHKELMILKEQN
 NQKKTLDGVLNHEQENTPSTSGKRSSDGSLSHEEDLAKVIELQEIISKQSREQSQMKERLASLSSHV
 TELEEDLDTARKDLIKSEEMNTKLQRDVREAMAQKEDMEERITTLKRYLAAQREATSVHDLNDKLENEI
 ANKDSMHRQTEDKNRQLQERLELAEQKLQQLRKAETLPEVEAELAQVAALSKAERHGNIEERLRQME
 AQLEEKQELQRRARQREKMNEEHNKRLSDTVDKLLSESNERLQLHLKERMAALEDKNSLLREVESAKKQL
 EETQHDKDQLVLNIEALRAELDHMRLRGASLHHGRPHLGSVPDFRFPMDAGHTDSYSTSAVLRPQKGRLL
 AALRDEPSKVQTLNEQDWERAAQASVLNVAQAFESDADVSDGEDDRDRLSSVDLLSPSGQADAHTLAM
 MLQEQLDAINKEIRLIQEEKENTEQRAEEIESRVGSGSLDNLGRFRSMSSIPPYPASSLASSPPGSGRS
 TPRRIPHSPAREVDRLGVMTELLPPSREEVRDDKTTIKCETSPSSPRALRLDRLHKGALHTVSHEDIRDI
 RNSTGSQDGPVSNPSSNSQDSLHKAPKKKGIKSSIGRFLFGKKEKGRPGQTGKEALGQAGVSETDNSSQ
 DALGLSKLGGQAEKNRKLQKKHELLEARRQGLPFAQWDGPTWWWLELWVGMPAWYVAACRANVKSGAI
 MSALSDTEIQREIGISNPLHRLKRLAIQEIIMSLTSPSAPPTSRTTLAYGDMNHEWIGNEWLPSLGLPQY
 RSYFMECLVDARMLDHLTKKDLRGQLKMVDSFHRNSFQCGIMCLRRLNYDRKELERKREESQSEIKDVLV
 WSNDRVIRWILSIGLKEYANNLIESGVHGALLALDETFDFSALALLLQIPTQNTQARAVLEREFNLLVM
 GTDRRFDEDDDKSFRRAPSWRKKFRPKDIRGLAAGSAETLPANFRVTSSMSSPSMQPKMKMQMDGM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

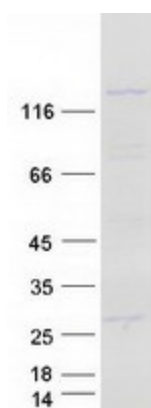
Tag:	C-Myc/DDK
Predicted MW:	133.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining



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Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_803172
Locus ID:	8500
UniProt ID:	Q13136
RefSeq Size:	3945
Cytogenetics:	11q13.3
RefSeq ORF:	3555
Synonyms:	LIP.1; LIP1; LIPRIN
Summary:	The protein encoded by this gene is a member of the LAR protein-tyrosine phosphatase-interacting protein (liprin) family. Liprins interact with members of LAR family of transmembrane protein tyrosine phosphatases, which are known to be important for axon guidance and mammary gland development. This protein binds to the intracellular membrane-distal phosphatase domain of tyrosine phosphatase LAR, and appears to localize LAR to cell focal adhesions. This interaction may regulate the disassembly of focal adhesion and thus help orchestrate cell-matrix interactions. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome, Phosphatase

Product images:



Coomassie blue staining of purified PPFIA1 protein (Cat# [TP312893]). The protein was produced from HEK293T cells transfected with PPFIA1 cDNA clone (Cat# [RC212893]) using MegaTran 2.0 (Cat# [TT210002]).