Recombinant Human PPFIBP1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PPFIBP1-4040H **Lot. No.** (See product label)

SPECIFICATION

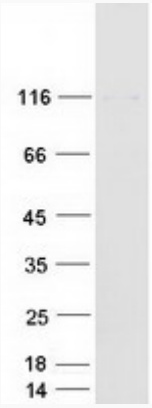
Product Overview	PPFIBP1 MS Standard C13 and N15-labeled recombinant protein (NP_003613) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a member of the LAR protein-tyrosine phosphatase-interacting protein (liprin) 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. It has been proposed that liprins are multivalent proteins that form complex structures and act as scaffolds for the recruitment and anchoring of LAR family of tyrosine phosphatases. This protein was found to interact with S100A4, a calcium-binding protein related to tumor invasiveness and metastasis. In vitro experiment demonstrated that the interaction inhibited the phosphorylation of this protein by protein kinase C and protein kinase CK2. Alternatively spliced transcript variants encoding distinct isoforms have been reported.
Molecular Mass	113 kDa
AA Sequence	MMSDASDMLAAALEQMDGIIAGSKALEYSNGIFDCQSPTSPFMGSLRALHLVEDLR GLLEMMETDEKEGLRCQIPDSTAETLVEWLQSQMTNGHLPGNGDVYQERLARLEN

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	DKESLVLQVSVLTDQVEAQGEKIRDLEFCLEEHREKLNATEEMLQQELLSRTSLETQ KLDLMAEISNLKLKLTAVEKDRLDYEDKFRDTEGLIQEINDLRLKVSEMDSERLQYEK KLKSTKDELASLKEQLEEKESEVKRLQEKLVCKMKGEGVEIVDRDENFKKKLKEKNI EVQKMKKAVESLMAANEEKDRKIEDLRQCLNRYKKMQDTVVLAQGKKGKDGEYEE LLNSSSISSLLDAQGFSDLEKSPSPTPVMGSPSCDPFNTSVPEEFHTTILQVSIPSLLP ATVSMETSEKSKLTPKPETSFEENDGNIILGATVDTQLCDKLLTSSLQKSSSLGNLKK ETSDGEKETIQKTSEDRAPAESRPFGTLPPRPPGQDTSMDDNPFGTRKVRSSFGR GFFKIKSNKRTASAPNLDRKRSASAPTLAETEKETAEHLDLAGASSRPKDSQRNSPF QIPPPSPDSKKKSRGIMKLFGKLRRSQSTTFNPDDMSEPEFKRGGTRATAGPRLGW SRDLGQSNSDLDMPFAKWTKEQVCNWLMEQGLGSYLNSGKHWIASGQTLLQASQ QDLEKELGIKHSLHRKKLQLALQALGSEEETNHGKLDFNWVTRWLDDIGLPQYKTQF DEGRVDGRMLHYMTVDDLLSLKVVSVLHHLSIKRAIQVLRINNFEPNCLRRRPSDEN TIAPSEVQKWTNHRVMEWLRSVDLAEYAPNLRGSGVHGGLMVLEPRFNVETMAQL LNIPPNKTLLRRHLATHFNLLIGAEAQHQKRDAMELPDYVLLTATAKVKPKKLAFSNF GNLRKKKQEDGEEYVCPMELGQASGSASKKGFKPGLDMHLYEEDDLDRLEQMED SEGTVRQIGAFSEGINNLTHMLKEDDMFKDFAARSPSASITDEDSNVTRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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Gene Name	PPFIBP1 PPFIA binding protein 1 [Homo sapiens (human)]
Official Symbol	PPFIBP1
Synonyms	PPFIBP1; PTPRF interacting protein, binding protein 1 (liprin beta 1); liprin-beta-1; hSGT2; hSgt2p; L2; SGT2; liprin-beta 1; liprin related protein; PTPRF-interacting protein-binding protein 1; protein tyrosine phosphatase receptor type f polypeptide-interacting protein-binding protein 1; protein-tyrosine phosphatase receptor-type f polypeptide-interacting protein-binding protein 1;
Gene ID	8496
mRNA Refseq	NM_003622
Protein Refseq	NP_003613
MIM	603141
UniProt ID	Q86W92
SDS-PAGE	

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