

Product datasheet for TP521777

Ptprj (NM_008982) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Mouse protein tyrosine phosphatase, receptor type, J (Ptprj), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR221777 representing NM_008982
Red=Cloning site Green=Tags(s)

MTRGGGRGSSRGRGSRELGATRGGWAPLAPPREAPASLRPRPLRARRARLRRVAAAAAAMSPGKPGAGG
AGTRRTGWRRRRRRRRLETETRAPGFGHTAGRVPGTFQGAQGMKPAARETRTPRSPGLRWALLPLLLLL
RQGQVLCAGAAPNPIFDIEAVVSPSVLLTWKHNDGASECRIENKMESNLTFPVKNQTSNITGLSPGT
SYTFSIISVTTNETLNKTTTTPWPVSDLVHTSVGVQTARLTWSNANGTASYRMLIEELTTHSSVNI
KPGTNNFAFPESNETQADFAVAEEVPDANGTKRIPVTNLSQLHKNSLVSDPPSGQDPSLTEILLDLK
PDTQYNATIYSQAANGTEGQPRNKVFKTNSTQVSDVRAMNISASSMTLTWKSNYDGSRTSIVYKIHVAGG
THSVNQTVNKTEAILGLSSSTLYNITVHPFLGQTEGTPGFLQVYVTSQVSDFRVTNVSTRAIGLAWRS
NDSKSFIEFIKQDGGGEKHRNASTGNQSYMVEDLKPGETSYHFEIIPRPGDTEGLSSTVNGSTDP
SAVTDI RNVNISTTEMQLEWQNTDDASGYTYHLVLESKSGSIIRTNSSQKWITVGS
LTPGTLNVTIFPEVDQIQG ISNSITQYTRPSSVSHIEVNTTTTTAAIRWKNEDAASASY
SVLILKTGDGNSVTSNFTKDP
SILPEL IPGVSYTVKILTQVGDGTTSLVPGWNLFCTEPEPVT
SFHCEVWPKEPALVVKWACPFMYTGFELGVRSD
SWDNMTRLENCTSDDDTECRTEVAYLNFSTSYNISIATLSCGKMALPAQNICTTGITDPP
TPDGSPNITS VSHNSVKVKFSGFEASHGPIKAYAVILTTG
EAAQPSADVLKYTYEDFKRGASDTYVTYLIRIEEK
GQSQG LSEVLNVEIDVGNQSTTLGYNGRLEPLG
SYRACVAGFTNITYNLQNDGLINGDESYVS
FSPYSEAVFLP QDPGVICGAVFGCIFGALAITAV
GGFIFWRKKRTDAKNNEVSFSQIKPKKSKLIR
VENFEAYFKKQQADS NCGFAEEYEDLKLIGIS
LPKYTAEIAENRGKNRYNNVLPYDISRVKLSVQ
THSTDDYINANYMPGYHSSK DFIATQG
PLPNTLKDFWRMVWEKNVYAVMLTKC
VEQGRTKCEEYWPSKQAQDYGDITVAMTSE
VWLPEW TIRDFVKNMQNSESHPLRQFH
FTSWPDHGVPTDLDLLINFRYLVRDYM
KQIPPESPILVHCSAGVGRGTG TFIAD
RLIYQIENENTVDVYGIVYDLRMHRPL
MVQTEDQYVFLNQCVLDIIRAQKDSK
VDLIYQNTTAM TIYENLEPVSMFGKTNGYIA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 149 kDa



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Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
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 after receiving vials.
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_033008
Locus ID:	19271
UniProt ID:	Q64455 , E9Q4S7
RefSeq Size:	7634
Cytogenetics:	2 50.19 cM
RefSeq ORF:	4050
Synonyms:	AI450271; BET; Byp; CD148; DEP-1; Ptpb2; PTPbeta2; RPTPJ; Scc-1; Scc1
Summary:	<p>Tyrosine phosphatase which dephosphorylates or contributes to the dephosphorylation of CTNND1, FLT3, PDGFRB, MET, RET, KDR, LYN, SRC, MAPK1, MAPK3, EGFR, TJP1, OCLN, PIK3R1 and PIK3R2. Plays a role in cell adhesion, migration, proliferation and differentiation. Involved in vascular development. May be involved in the mechanism of contact inhibition of cell growth. Regulator of macrophage adhesion and spreading. Positively affects cell-matrix adhesion. Positive regulator of platelet activation and thrombosis. Negative regulator of cell proliferation. Negative regulator of PDGF-stimulated cell migration; through dephosphorylation of PDGFR. Positive regulator of endothelial cell survival, as well as of VEGF-induced SRC and AKT activation; through KDR dephosphorylation. Negative regulator of EGFR signaling pathway; through EGFR dephosphorylation. Enhances the barrier function of epithelial junctions during reassembly. Negatively regulates T-cell receptor (TCR) signaling. Upon T-cell TCR activation, it is up-regulated and excluded from the immunological synapses, while upon T-cell-antigen presenting cells (APC) disengagement, it is no longer excluded and can dephosphorylate PLCG1 and LAT to down-regulate prolongation of signaling.[UniProtKB/Swiss-Prot Function]</p>