

Product datasheet for TP521802

Ptpre (NM_011212) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse protein tyrosine phosphatase, receptor type, E (Ptpre), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR221802 representing NM_011212 Red=Cloning site Green=Tags(s)

MEPFCPLLLASFSLSLARAGQGNDTTPTESNWTSTTAGPPDPGASQPLLTWLLLPLLLLLFLLAAYFFRF
RKQRKAVVSSNDKKMPNGILEEQEQQRVMLLSRSPSGPKKFFPIPVEHLEEEIRVRSADDCKRFREEFNS
LPSGHIQGT FELANKEENREKNRYPNILPNDHCRVILSQVDGIPCSYINASYIDGYKEKNKFIAAQGPK
QETVNDFWRMVWEQRSATIVMLTNLKERKEEKCYQYWPDQGCWTYGNIRVCVEDCVLVDYTIKFCIHP
QLPDSCKAPRLVSQLHFTSWPDPFGVPFTPIGMLKFLKVKTLNPSHAGPIVHCSAGVGRGTGFVIDAM
MDMIHSEQKVDVFEFVSRIRNQRPMVQTDVQYTFIYQALLEYYLYGDTELDVSSLERHLQTLHSTATHF
DKIGLEEEFRKLTNVRIMKENMRTGNL PANMKKARVIQIIPYDFNRVILSMKRGQEFTDYINASFIDGYR
QKDYFMATQGPLAHTVEDFWRMVWEWKSHTIVMLTEVQEREQDKCYQYWPTEGSVTHGDITIEIKSDTLS
EAISVRDFLVTFKQPLARQEEQVRMVRQFHFGWPEVGIPAEGKGMIDLIAAVQKQQQQTGNHPITVHCS
AGAGRTGTFIALSNILERVKAEGLLDVFQAVKSLRLQRPHMVQTLEQYFCYKVVQDFIDIFSDYANFK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	81.1 kDa
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.



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RefSeq:	NP_035342
Locus ID:	19267
UniProt ID:	P49446
RefSeq Size:	5411
Cytogenetics:	7 81.27 cM
RefSeq ORF:	2097
Synonyms:	PTPe; PTPepsilon; RPTPEpsilon
Summary:	Isoform 1 acts as a negative regulator of insulin receptor (IR) signaling and is involved in insulin-induced glucose metabolism mainly through direct dephosphorylation and inactivation of IR in hepatocytes and liver (By similarity). Plays a critical role in signaling transduction pathways and phosphoprotein network topology in red blood cells. May play a role in osteoclast formation and function.[UniProtKB/Swiss-Prot Function]