

Product datasheet for **TP322707M**

DEP1 (PTPRJ) (NM_002843) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human protein tyrosine phosphatase, receptor type, J (PTPRJ), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>Peptide sequence encoded by RC222707 Blue=ORF Red=Cloning site Green=Tag(s)

MKPAAREARLPPRSPGLRWALPLLLLLLRLGQILCAGGTPSPIPDPSVATVATGENGITQISSTAESFH
KQNGTGTPQVETNTSEDGESSGANDSLRTPEQGSNGTDGASQKTPSSTGSPVFDIKAVSISPTNVILT
WKSNDTAASEYKYVVKHKMENEKTTIVVHQWCNITGLRPATSYVFSITPGIGNETWGDPRVIKVITEP
IPVSDLRVALTGVRKAALSWSNNGTASCRVLESIGSHEELTQDSRLQVNISGLKPGVQYNINPYLLQ
SNKTKGDPLGTEGGLDASNTERS RAGSPTAPVHDESLVGPVDPSSGQQRDTEVLLVGLPGTRYNATV
YSQAANGTEGQPQAIEFRNTAIQVFDVTAVNISATSLTLIWKVSDNESSNYTYKIHVAGETDSSNLNV
SEPRAVIPGLRSSTFYNTVCPVLGDIETGPGFLQVHTPPVPVSDFRVTWVSTTEIGLAWSSHDAESFQ
MHITQEGAGNSRVEITNQSIIGGLFPGTKYCFEIVPKGPNGTGASRTVCNRTVPSAVFDIHVVYVT
TTEMWLDWKSPDGASEYVYHLVIESKHGNSHTSYDKAITLQGLIPGTYNITISPEVDHWWGDPNSTA
QYTRPSNVSNI DVSTNTTAATLSWQNFDDASPTYSYCLLIEKAGNSSNATQVVTDIGITDATVTEIPG
SSYTVEIFAQVGDGKISLEPGRKSFCTDPASMASFDCEVVPKEPALVLKWTCPGANAGFELEVSSGAW
NNATHLESCSSENGTEYRTEVYLNFSYSINISITTVSCGKMAAPTRNTCTTGITDPPPPDGSPNITSV
SHNSVKVKFSGFEASHGPIKAYAVILTTGEAGHPSADVLKYTYDDFKKGASDTYVTYLIRTEEKGRSQS
LSEVLKYEIDVGNSTTLGYYNGKLEPLGSYRACVAGFTNITFHPQNKGLIDGAESYVSFSRYSDAVSL
PQDPGVICGAVFGCIFGALVIVTVGGFIFWRKKRDAKNNEVSFSQIKPKKSKLIRVENFEAYFKKQQA
DSNCGFAEEYEDLKLVGISQPKYAAELAENRGKNRYNNVLPYDISRVKLSVQTHSTDDYINANYMPGYH
SKKDFIATQGPLNLTLDKDFWRMVWEKNVYAIIMLT KCVEQGRTKCEEYWPSKQAQDYGDITVAMTSEIV
LPEWTIRDFTVKNIQTSESHPLRQFHFTSWPDHGVPTDLDLLINFRYLVRDYMKQSPPEPILVHCSAG
VGRGTGFIAIDRLIYQIENENTVDVYGVYDLRMRPLMVQTEDQYVFLNQCVLDIRSQKDSKVDLIY
QNTTAMTIYENLAPVTTFGKTNGYIA
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

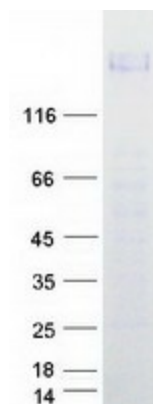
Recombinant protein using RC222707 also available, [TP322707M](#)

Tag: C-Myc/DDK



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Predicted MW:	142 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
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_002834
Locus ID:	5795
UniProt ID:	Q12913 , Q9NPR5
RefSeq Size:	5119
Cytogenetics:	11p11.2
RefSeq ORF:	4011
Synonyms:	CD148; DEP1; HPTPeta; R-PTP-ETA; SCC1
Summary:	<p>The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes, including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP possesses an extracellular region containing five fibronectin type III repeats, a single transmembrane region, and a single intracytoplasmic catalytic domain, and thus represents a receptor-type PTP. This protein is present in all hematopoietic lineages, and was shown to negatively regulate T cell receptor signaling possibly through interfering with the phosphorylation of Phospholipase C Gamma 1 and Linker for Activation of T Cells. This protein can also dephosphorylate the PDGF beta receptor, and may be involved in UV-induced signal transduction. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p>
Protein Families:	Druggable Genome, Phosphatase, Transmembrane
Protein Pathways:	Adherens junction

Product images:

Coomassie blue staining of purified PTPRJ protein (Cat# [TP322707]). The protein was produced from HEK293T cells transfected with PTPRJ cDNA clone (Cat# [RC222707]) using MegaTran 2.0 (Cat# [TT210002]).