

Product datasheet for PH322707

DEP1 (PTPRJ) (NM_002843) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PTPRJ MS Standard C13 and N15-labeled recombinant protein (NP_002834)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC222707
Predicted MW:	145.9 kDa
Protein Sequence:	>Peptide sequence encoded by RC222707 Blue=ORF Red=Cloning site Green=Tag(s)

MKPAAREARLPPRSPGLRWALPLLLLLLRLGQILCAGGTPSPIPDPSVATVATGENGITQISSTAESFH
KQNGTGTQVETNTSEGGESSGANDSLRTPSEQSNGTDGASQKTPSSTGSPVFDIKAVSISPTNVILT
WKSNDTAASEYKYVVKHKMENEKITTIVVHQPWCNITGLRPATSYVFSITPGIGNETWGDPRVIKIVITP
IPVSDLRVALTGVRKAALSWSNGNGTASCRVLLLESIGSHEELTQDSRLQVNISGLKPGVQYINPYLLQ
SNKTKGDPLGTEGGLDASNTERSRAGSPTAPVHDESLVGPVDPSSGQSRDTEVLLVGLPEGTRYNATV
YSQAANGTEGQPQAIIEFRNAIQVFDVTAVNISATSLTLIWKVSDNESSNYTYKIHVAGETDSSNLNV
SEPRAVIPGLRSSTFYNITVCPVLGDIETPGFLQVHTPPVPVSDFRVTVVSTTEIGLAWSSHDAESFQ
MHITQEGAGNSRVEITTNQSIIGGLFPGTKYCFEIVPKGPNGTGASRTVCNRTVPSAVFDIHVVVYT
TTEMWLDWKSPDGASEYYHLVIESKHGSNHTSTYDKAITLQGLIPGTLYNITISPEVDHVWGPNSTA
QYTRPSNYSNIDVSTNTAATLSWQNFDDASPTYSYCLLIEKAGNSSNATQVVTDIGITDATVTEIPG
SSYTVEIFAQVGDGIKSLEPGRKSFCTDPASMASFDCEVVPKEPALVLKWTCPGANAGFELEVSSGAW
NNATHLESCSSENGTEYRTEVTLNFSTSYNISITTVSCGKMAAPTRNTCTTGITDPPPPDGSPNITSV
SHNSVKVKFSGFEASHGPIKAYAVILTTGEAGHPSADVLKTYDDFKKGASDYYVYTLIRTEEKGRSQS
LSEVLKYEIDVGNESSTLGGYNGKLEPLGSYRACVAGFTNITFHPQNKGLIDGAESYVSFSRYSDAVSL
PQDPGVICGAVFGCIFGALVIVTVGGFIFWRKKRDKAKNNEVSFSQIKPKKSKLIRVENFEAYFKKQQA
DSNCGFAEEYEDLKLVGISQPKYAAELAENRGKNRYNNVLPYDISRVKLSVQTHSTDDYINANMPGYH
SKKDFIATQGPLNLTLDKDFWRMVWEKNVYAIIMLTCKVEQGRKCEEYWPQSKQAQDYGDITVAMTSEIV
LPEWTVIRDFTVKNIQTSESHPLRQFHFTSWPDHGVDPDITDILLINFRYLVRDYMKSPPESPILVHCSAG
VGRTGTFIAIDRLIYQIENENTVDVYGIYVYDLRMRPLMVQTEDQYVFLNQCVLDIVRSQKDSKVDLIY
QNTTAMTIYENLAPVTTFGKTNFYIA
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

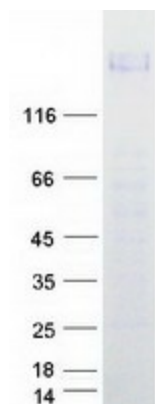
Recombinant protein using RC222707 also available, [TP322707M](#)

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining



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Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_002834
RefSeq Size:	5119
RefSeq ORF:	4011
Synonyms:	CD148; DEP1; HPTPeta; R-PTP-ETA; SCC1
Locus ID:	5795
UniProt ID:	Q12913 , Q9NPR5
Cytogenetics:	11p11.2
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]).