

Product datasheet for TP515480

Ptprh (NM_207270) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse protein tyrosine phosphatase, receptor type, H (Ptprh), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR215480 representing NM_207270 Red=Cloning site Green=Tags(s)
	<p>MARAGGNCGWRSVLVLLGLYGCSVRAAGTSVTVDRHAPASSYEFMSWVEKDGVS SSPQIPVTTAAPNPV RNLRVGQNNISISLSWEPPDQSSLQGLTYWTQCSRHGGQTETRNTTDTSVTDGLDPGSSYECSVWVEK DGLYSKNETLNTSTAPNPVRNLRVEGQNNISISLSWEPPDQPSLQGLTYWAQCSRHGGQTETRNTADTSV TVDGLDPGSSYECSVWVEKDG VYSTNETLNTSTAPNPVRNLRVEGQNNISISLSWEPPDQPSLQGLTYWA QCSRHGGQTETRNTTDT SITVDGLDPGSSYECSVWVEKDG VYSTNETLSNTTAPNPVRNLRVKSQNNFSI SLSWEPPDQPSLQGLIYWAQCSRHGGQTETRNTTDTSVTDGLDPGFLYKCSVWVEKDG VYSTNETLNTS TVPIASNPVRNLRVEGQNNFSISLSWEPPDQSSLQGLTYWAQCSRHGGQTETRNTADTSVTVDGLDPGS SYECSVWVEKDG VYSTNETLNTSTVPAAVNITSCISTSGGYGVLLTWSCPSGGYESFEVKVGRKWRSENG SLCGKGVTVSDLEPAQSYTATVTTVFKDLKAQSLTTCHTESAIIAGAIVGILLFILVGLLIVFLKRR RKKRQPKEVPKDLVCSGPGDILAKDFADHVRENEKDSNCGFAEEYQQLALEGQGQSQITASALENRSKNR YRNVLPHYDWSRVPLQLQEPPGSDYINASFMPGLWSPKEFIATQGPLPNTVGDFWRMVWEQQSHTLVMLT NCMESGRVKCEHYWPLDAQPCIHGQLQVMLISEEASENWTVRHLQLFHMKEQQTLSLRQFHYLAWPDHGV PYSPPDLLAFRKMLRQWMDQTTDGGPPIVHCSAGVGRTGTLIALDVLLRQLECEGLVGPFSFVKMRESR PLMVQTEAQYVFLHQILKSLQKPAPALVPEEAMYENVASLVYENASAIMAHESEFSASGC</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	107.4 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



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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_997153
Locus ID:	545902
UniProt ID:	E9Q0N2
RefSeq Size:	4020
Cytogenetics:	7 A1
RefSeq ORF:	2913
Synonyms:	R-PTP-H; sap-1
Summary:	Protein phosphatase that may contribute to contact inhibition of cell growth and motility by mediating the dephosphorylation of focal adhesion-associated substrates and thus negatively regulating integrin-promoted signaling processes. Induces apoptotic cell death by at least two distinct mechanisms: inhibition of cell survival signaling mediated by PI 3-kinase, Akt, and ILK and activation of a caspase-dependent proapoptotic pathway. Inhibits the basal activity of LCK and its activation in response to TCR stimulation and TCR-induced activation of MAP kinase and surface expression of CD69. Inhibits TCR-induced tyrosine phosphorylation of LAT and ZAP70. Inhibits both basal activity of DOK1 and its CD2-induced tyrosine phosphorylation. Induces dephosphorylation of BCAR1, focal adhesion kinase and SRC. Reduces migratory activity of Jurkat cells (By similarity). Reduces tyrosine phosphorylation of CEACAM20 and thereby contributes to suppress the intestinal immune response (PubMed:26195794).[UniProtKB/Swiss-Prot Function]