

Recombinant Human PTPRJ Protein, Myc/DDK-tagged

Cat. No. PTPRJ-2248H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human protein tyrosine phosphatase, receptor type, J (PTPRJ), transcript variant 1 with a C-Myc/DDK tag was expressed in HEK293T.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	142 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
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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Storage	Store at -80 centigrade.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol
GENE INFORMATION	
Gene Name	PTPRJ protein tyrosine phosphatase receptor type J [Homo sapiens (human)]
Official Symbol	PTPRJ
Synonyms	PTPRJ; protein tyrosine phosphatase receptor type J; DEP1; SCC1; CD148; HPTPeta; R-PTP-ETA; receptor-type tyrosine-protein phosphatase eta; CD148 antigen; DEP-1; HPTP eta; R-PTP-J; density-enhanced phosphatase 1; human density enhanced phosphatase-1; protein tyrosine phosphatase, receptor type, J polypeptide; protein-tyrosine phosphatase eta; susceptibility to colon cancer 1, mouse, homolog of; EC 3.1.3.48
Gene ID	5795
mRNA Refseq	NM_002843
Protein Refseq	NP_002834
MIM	600925
UniProt ID	Q12913
SDS-PAGE	

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