

Recombinant Mouse Ptpn1 Protein, Myc/DDK-tagged

Cat. No. Ptpn1-5234M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length protein tyrosine phosphatase, non-receptor type 1 (Ptpn1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Tyrosine-protein phosphatase which acts as a regulator of endoplasmic reticulum unfolded protein response. Mediates dephosphorylation of EIF2AK3/PERK; inactivating the protein kinase activity of EIF2AK3/PERK. May play an important role in CKII- and p60c-src-induced signal transduction cascades. May regulate the EFNA5-EPHA3 signaling pathway which modulates cell reorganization and cell-cell repulsion. May also regulate the hepatocyte growth factor receptor signaling pathway through dephosphorylation of MET.
Molecular Mass	49.6 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.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Ptpn1 protein tyrosine phosphatase, non-receptor type 1 [Mus musculus (house mouse)]

Official Symbol Ptpn1

Synonyms PTPN1; protein tyrosine phosphatase, non-receptor type 1; tyrosine-protein phosphatase non-receptor type 1; protein-tyrosine phosphatase 1B; protein-tyrosine phosphatase HA2; protein-protein-tyrosine phosphatase HA2; PTP1B; PTP-1B; PTP-HA2

Gene ID 19246

mRNA Refseq NM_011201

Protein Refseq NP_035331

UniProt ID P35821

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