

Recombinant Mouse Ptpmh Protein, Myc/DDK-tagged

Cat. No. Ptpmh-5246M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length protein tyrosine phosphatase, receptor type, H (Ptpmh), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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. Reduces tyrosine phosphorylation of CEACAM20 and thereby contributes to suppress the intestinal immune response.
Molecular Mass	107.4 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

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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

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

GENE INFORMATION

Gene Name Ptprrh protein tyrosine phosphatase, receptor type, H [Mus musculus (house mouse)]

Official Symbol Ptprrh

Synonyms PTPRH; protein tyrosine phosphatase, receptor type, H; receptor type protein tyrosine phosphatase sap-1; sap-1

Gene ID 545902

mRNA Refseq NM_207270

Protein Refseq NP_997153

UniProt ID E9Q0N2

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