

PTPRM (PTP- mu) Recombinant Protein | PTPRM recombinant protein

PTPRM (PTP- mu) recombinant protein

CATALOG # AAA72922	HOST Sf9 insect cells	APPLICATIONS Western Blot
------------------------------	---------------------------------	-------------------------------------

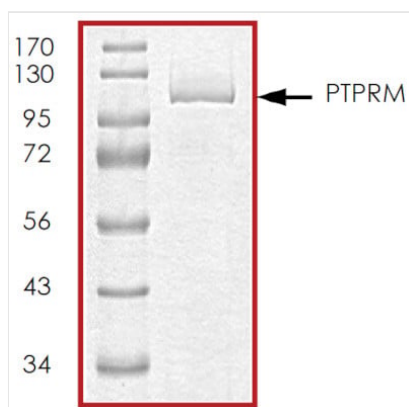
PRODUCT SYNONYMS

PTPRM (PTP- mu); PTPRM (PTP- mu) recombinant protein; RPTPM; RPTPU; PTPRL1; hR-PTPu; R-PTP-MU; PTPRM (PTP-m) Protein; PTPRM recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Purity/Purification	>90%
Form/Format	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Concentration	0.2 ug/ul (varies by lot)
Sequence Length	5396
Applicable Applications for PTPRM recombinant protein	WB (Western Blot)
Type	Recombinant Fusion Protein
Species	Human
Tag Information	GST tag
Expression System	Sf9 insect cells using baculovirus
Source Note	Recombinant human PTPRM (764-1452) was expressed by baculovirus in Sf9 insect cells
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70°C . For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

The purity of PTPRM was determined to be >90% by densitometry. Approx. MW 110kDa

ADDITIONAL INFORMATION

Related Product Information for PTPRM recombinant protein	Recombinant human PTPRM (764-1452) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. Scientific Background: PTPRM is a member of the protein tyrosine phosphatase family and can participate in a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation (1). PTPRM has been shown to mediate cell-cell aggregation through the interaction with another molecule of PTPRM on an adjacent cell. PTPRM can interact with scaffolding protein RACK1/GNB2L1 and this interaction may be necessary for downstream signaling in response to cell-cell adhesion (2). PTPRM has been shown to be expressed in human pulmonary vascular endothelia where it directly binds to VE-cadherin and regulates both the tyrosine phosphorylation state of VE-cadherin and barrier integrity.
Product Categories/Family for PTPRM recombinant protein	Cellular Proteins; Signaling Proteins - Cellular Proteins
References	1. Phillips-Mason, P.J. et al: The receptor protein-tyrosine phosphatase PTPmu interacts with IQGAP1. J. Biol. Chem. 2006; 281(8):4903-10. 2. Koop, E.A. et al: Receptor protein tyrosine phosphatase mu expression as a marker for endothelial cell heterogeneity; analysis of RPTPmu gene expression using LacZ knock-in mice. Int. J. Dev. Biol. 2003; 47(5):345-54

NCBI AND UNIPROT INFORMATION

NCBI GI #	30353784
NCBI GeneID	5797
UniProt Accession #	P28827; A7MBN1; D3DUH8; J3QL11
Molecular Weight	~110 kDa
NCBI Official Full Name	Homo sapiens protein tyrosine phosphatase, receptor type, M, mRNA
NCBI Official Synonym Full Names	protein tyrosine phosphatase, receptor type, M
NCBI Official Symbol	PTPRM
NCBI Official Synonym Symbols	RPTPM; RPTPU; PTPRL1; hR-PTPu; R-PTP-MU
NCBI Protein Information	receptor-type tyrosine-protein phosphatase mu; protein tyrosine phosphatase mu; protein-tyrosine phosphatase mu; protein tyrosine phosphatase, receptor type, mu polypeptide
UniProt Protein Name	Receptor-type tyrosine-protein phosphatase mu
UniProt Gene Name	PTPRM
UniProt Synonym Gene Names	PTPRL1; Protein-tyrosine phosphatase mu; R-PTP-mu
UniProt Entry Name	PTPRM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.