

Recombinant Human PTPRM, GST-tagged

Cat. No. PTPRM-382H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human PTPRM (764-1452) was expressed by baculovirus in <i>Sf9 insect cell</i> using an N-terminal GST tag. MW = 110 kDa.
Species	Human
Source	Sf9 Cells
Protein Length	764-1452 a.a.
Description	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. 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. 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.
Sequence	764-1452.
Applications	Western Blot.
Storage And Stability	Store product at -70°C . For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

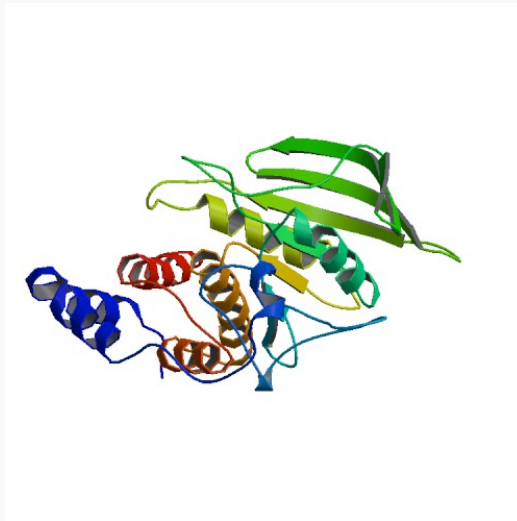
Gene Name	PTPRM protein tyrosine phosphatase, receptor type, M [Homo sapiens]
Synonyms	PTPRM; protein tyrosine phosphatase, receptor type, M; RPTPM; RPTPU; PTPRL1; hR-PTPu; R-PTP-MU; MGC166994; protein tyrosine phosphatase mu; protein tyrosine phosphatase, receptor type, mu polypeptide; EC 3.1.3.48
Gene ID	5797
mRNA Refseq	NM_001105244
Protein Refseq	NP_001098714
MIM	176888
UniProt ID	P28827
Chromosome Location	18p11.2
Pathway	Adherens junction; Cell adhesion molecules (CAMs)
Function	cadherin binding; hydrolase activity; protein binding; receptor activity; transmembrane receptor protein tyrosine phosphatase activity

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PDB rendering based
on 1rpm



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