

Active Recombinant Human Protein Tyrosine Phosphatase, Receptor Type, M

Cat. No. PTPRM-336H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	E.coli
Description	Protein Tyrosin Phosphatase, cytoplasmic region, containing catalytic domain D1 C-terminally linked to the non-catalytic domain D2. PTPmu is an Ig superfamily receptor protein-tyrosine phosphatase which promotes cell-cell adhesion in a homophilic, Ca ²⁺ independent manner and interacts with the cadherin-catenin complex. The intracellular region of PTPμ contains three domains: the juxtamembrane (JM, aa 765-923) and two phosphatase domains (D1 and D2). Only the D1 domain is catalitically active.
Usage	For in vitro use only.
Form	Liquid. Supplied in 10 mM Tris- HCl, 10 mM Bis-Tris-HCl pH 7.0.
Activity	1 nmol of PTPμ will hydrolyze 1.2 nmol of pNPP per minute at 37°C at pH 4.8.
Purity	> 95% by SDS-PAGE.
Storage	Quality guaranteed for 12 months, store at -80°C. Avoid freeze / thaw cycles.

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GENE INFORMATION

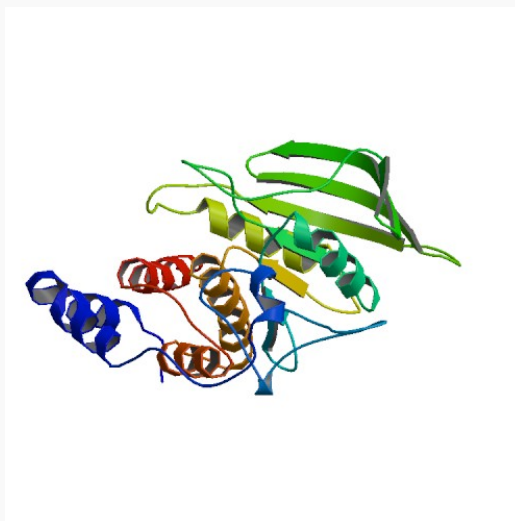
Gene Name	PTPRM protein tyrosine phosphatase, receptor type, M [Homo sapiens]
Synonyms	PTPRM; protein tyrosine phosphatase, receptor type, M; RPTPM; RPTPU; PTPRL1; hR-PTPu; R-PTP-MU; MGC166994; protein tyrosine phosphatase mu; protein tyrosine phosphatase, receptor type, mu polypeptide; EC 3.1.3.48
Gene 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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