

## Datasheet for ABIN6700433 **PTPRM Protein (GST tag)**

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### Overview

Quantity:	20 µg
Target:	PTPRM
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTPRM protein is labelled with GST tag.
Application:	Western Blotting (WB)

### Product Details

Purpose:	PTPRM (PTP-m) recombinant protein-GST fusion protein
Purification:	Recombinant human PTPRM (764-1452) was expressed by baculovirus in Sf9 insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >90% by densitometry.
Purity:	>90%

### Target Details

Target:	PTPRM
Alternative Name:	PTPRM ( <a href="#">PTPRM Products</a> )
Background:	Synonyms: RPTPM, RPTPU, PTPRL1, hR-PTPu, R-PTP-MU 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,

## Target Details

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. PTPRM Protein is ideal for investigators involved in Signaling Proteins, Cellular Proteins, Cardiovascular Disease, Neurobiology, and Phosphatases research.

## Application Details

Application Notes: Western\_Blot\_Dilution: User Optimized  
Application\_Note: PTPRM Protein is suitable for use in Western Blot. Expect a band approximately ~110 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

## Handling

Format: Liquid  
Concentration: 0.2 µg/µL  
Buffer: PTPRM Protein is stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol.  
Storage: -80 °C  
Storage Comment: 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.  
Expiry Date: 12 months