

PTPRB recombinant protein

PTPRB, Active

CATALOG # AAA73841	HOST Sf9 insect cells	APPLICATIONS Western Blot
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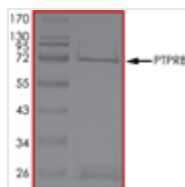
PRODUCT SYNONYMS

PTPRB; Active; PTPB; HPTPB; VEPTP; HPTP-BETA; R-PTP-BETA; PTPRB recombinant protein

PRODUCT SPECIFICATIONS

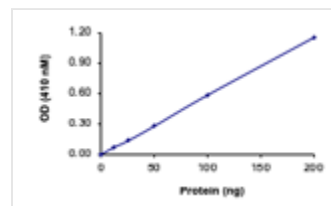
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 20mM MOPS, pH7.5, 300mM NaCl, 10mM glutathione, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for PTPRB recombinant protein	WB (Western Blot), Phosphatase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree 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

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for PTPRB recombinant protein	Recombinant human PTPRB (1552-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_002837. PTPRB contains multiple repeated fibronectin type-III domains extracellularly, a single transmembrane segment and only one protein tyrosine phosphatase (PTP) domain intracellularly, and thus belongs to receptor type PTP family (1). PTPRB negatively regulates angiogenesis and blood vessel remodeling via interacting with vascular growth factor tyrosine kinases such as TIE2, CDH5, and KDR (2). PTPRB has been reported to be one of the recurrent mutations in angiosarcoma tumors (3).
Product Categories/Family for PTPRB recombinant protein	Phosphatases; Cancer; Invasion/Metastasis; Phosphatases

References

1. Crossland S. et al: Molecular cloning and characterization of PTP pi, a novel receptor-like protein-tyrosine phosphatase. Biochem J. 1996 Oct 1;319 (Pt 1):249-54.
2. Mantilidewi KI. et al: Shear stress-induced redistribution of vascular endothelial-protein-tyrosine phosphatase (VE-PTP) in endothelial cells and its role in cell elongation. J Biol Chem. 2014 Mar 7;289(10):6451-61.
3. Behjati S, et al: Recurrent PTPRB and PLCG1 mutations in angiosarcoma. Nat Genet. 2014 Apr;46(4):376-379.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_002837](#)

Molecular Weight

116kDa

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.

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Online datasheet: <https://stage.aaabiotech.com/ptprb-recombinant-protein-sf9-insect-cells-wb-western-blot-phosphatase-assay/73841>