

PTPRS (PTP-sigma) Recombinant Protein | PTPRS recombinant protein

PTPRS (PTP-sigma), Active

CATALOG # AAA73862	HOST E Coli	APPLICATIONS Western Blot
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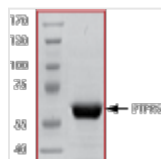
PRODUCT SYNONYMS

PTPRS (PTP-sigma); Active; PTP-sigma; PTPRS recombinant protein

PRODUCT SPECIFICATIONS

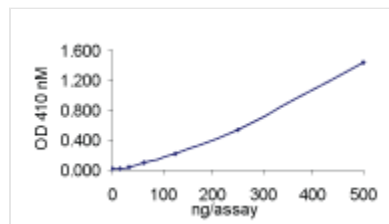
Host	E Coli
Form/Format	Recombinant protein stored in 20mM MOPS, pH7.5, 50mM NaCl, 0.25mM DTT, 0.1mM PMSF, 30% glycerol.
Applicable Applications for PTPRS recombinant protein	WB (Western Blot), Phosphatase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional 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 Enzyme Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for PTPRS recombinant protein	Recombinant human PTPRS (883-1210) was expressed in E Coli cells using an N-terminal GST tag. The gene accession number is NM_130855. PTPRS is a member of a subfamily of receptor type PTPases that is characterized by the presence of an extracellular cell adhesion molecule-like motif and 2 intracellular phosphatase domains (1). The extracellular region of this protein is composed of multiple Ig-like and fibronectin type III-like domains. Studies of the similar gene in mice suggested that this PTP may be involved in cell-cell interaction, primary axonogenesis, and axon guidance during embryogenesis (2).
Product Categories/Family for PTPRS recombinant protein	Phosphatases; Cancer; Cardiovascular Disease; Phosphatases

References

1. Wagner, J. et al: Olsen, A. S.: Physical mapping of receptor type protein tyrosine phosphatase sigma (PTPRS) to human chromosome 19p13.3. Genomics 38: 76-78, 1996.
2. Elchebly, M. et al: Neuroendocrine dysplasia in mice lacking protein tyrosine phosphatase sigma. Nature Genet. 21: 330-333, 1999.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_130855](#)

Molecular Weight

~63kDa

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/ptprs-ptp-sigma-recombinant-protein-e-coli-wb-western-blot-phosphatase-assay/73862>