PTPRE recombinant protein

PTPRE, Active

CATALOG #	HOST	APPLICATIONS
AAA73850	**Sf9 insect cells**	**Western Blot**

PRODUCT SYNONYMS

PTPRE; Active; PTPE; P-PTP-epsilon; HPTPE; R-PTP-EPSILON; RP11-380J17.1; DKFZp313F1310; FLJ57799; FLJ58245; PTPRE 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 PTPRE 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 PTPRE recombinant protein	Recombinant human PTPRE (75-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is BC050062. PTPRE or protein tyrosine phosphatase receptor type E is a member of the protein tyrosine phosphatase (PTP) family. This family of proteins are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. PTPRE is highly expressed in brain and testis (1). The regulatory roles of this PTP in Ras related signal transduction pathways, cytokines induced signaling, as well as the activation of voltage-gated K+ channels have been identified. PTPRE has a transmembrane segment and a cytoplasmic region containing duplicated PTPase domains (2).
Product Categories/Family for PTPRE recombinant protein	Phosphatases; Cancer; Inflammation; Invasion/Metastasis; Phosphatases
References	1. Yi, T. et.al: Identification of novel protein tyrosine phosphatases of hematopoietic cells by polymerase chain reaction amplification. Blood 78: 2222-2228, 1991. 2. Krueger, N. X. et.al: Structural diversity and evolution of human receptor-like protein tyrosine phosphatases. EMBO J. 9: 3241-3252, 1990.

NCBI AND UNIPROT INFORMATION

NCBI GI #	29476778
NCBI GeneID	5791
Molecular Weight	71,382 Da
NCBI Official Full Name	Homo sapiens protein tyrosine phosphatase, receptor type, E, mRNA
NCBI Official Synonym Full Names	protein tyrosine phosphatase, receptor type E
NCBI Official Symbol	PTPRE
NCBI Official Synonym Symbols	PTPE; HPTPE; R-PTP-EPSILON
NCBI Protein Information	receptor-type tyrosine-protein phosphatase epsilon

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/ptpre-recombinant-protein-sf9-insect-cells-wb-western-blot-phosphatase-assay/73850