

Active Recombinant Human PTPRE, GST-tagged

Cat. No. PTPRE-1523H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human PTPRE (75-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	75 aa-end
Description	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. 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.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Bio-activity	8,600 nmol/min/mg
Molecular Mass	~91 kDa

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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Purity	>95%
Applications	Phosphatase Assay, Western Blot
Storage	Store at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
Concentration	0.1µg/µl
GENE INFORMATION	
Gene Name	PTPRE protein tyrosine phosphatase, receptor type, E [Homo sapiens]
Official Symbol	PTPRE
Synonyms	PTPRE; protein tyrosine phosphatase, receptor type, E; receptor-type tyrosine-protein phosphatase epsilon; PTPE; protein tyrosine phosphatase, receptor type, epsilon polypeptide; HPTPE; FLJ57799; FLJ58245; R-PTP-EPSILON; DKFZp313F1310;
Gene ID	5791
mRNA Refseq	NM_006504
Protein Refseq	NP_006495
MIM	600926
UniProt ID	P23469
Chromosome Location	10q26

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Function

hydrolase activity; protein binding; protein homodimerization activity; protein tyrosine phosphatase activity; receptor activity; transmembrane receptor protein tyrosine phosphatase activity;

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