

Active Recombinant Human PTPRS, GST-tagged

Cat. No. PTPRS-1525H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PTPRS (883-1210) was expressed in E.coli cells using a N-terminal GST tag.
Species	Human
Source	E.coli
ProteinLength	883-1210 aa
Description	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. 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.
Form	Recombinant protein stored in 20 mM MOPS, pH 7.5, 50 mM NaCl, 0.25 mM DTT, 0.1 mM PMSF, 30% glycerol.
Bio-activity	2460 nmol/min/mg
Molecular Mass	~63 kDa
Purity	>90%

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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	PTPRS protein tyrosine phosphatase, receptor type, S [Homo sapiens]
Official Symbol	PTPRS
Synonyms	PTPRS; protein tyrosine phosphatase, receptor type, S; receptor-type tyrosine-protein phosphatase S; R-PTP-S; R-PTP-sigma; protein tyrosine phosphatase PTPsigma; receptor-type tyrosine-protein phosphatase sigma; protein tyrosine phosphatase, receptor type, sigma; PTPSIGMA;
Gene ID	5802
mRNA Refseq	NM_002850
Protein Refseq	NP_002841
MIM	601576
UniProt ID	Q13332
Chromosome Location	19p13.3

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Function

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

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