

Recombinant Human PTPRS, GST-tagged, Active

Cat. No. PTPRS-470H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human PTPRS (883-1201) was expressed in <i>E. Coli</i> using an N-terminal GST tag. MW=63kDa.
Species	Human
Source	E.coli
ProteinLength	883-1201 a.a.
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.
Sequence	883-1201.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at -70oC. 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.
22q13.33	19p13.3

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

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

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	PTPRS protein tyrosine phosphatase, receptor type, S [Homo sapiens]
Synonyms	PTPRS; protein tyrosine phosphatase, receptor type, S; PTPSIGMA; protein tyrosine phosphatase, receptor type, sigma; protein tyrosine phosphatase PTPsigma; EC 3.1.3.48
Gene ID	5802
mRNA Refseq	NM_002850
Protein Refseq	NP_002841
MIM	601576
UniProt ID	Q13332
Function	heparan sulfate proteoglycan binding; heparin binding; hydrolase activit; protein binding; protein kinase binding; transmembrane receptor protein tyrosine phosphatase activity

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