Recombinant Human PTPRS, GST-tagged, Active

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

SPECIFICATION

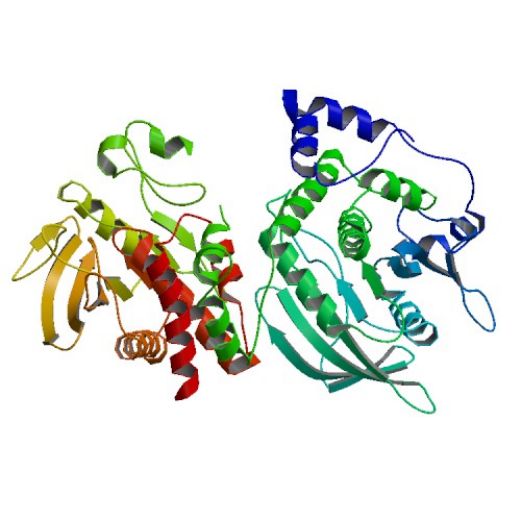
Product Overview	Recombinant human PTPRS (883-1201) was expressed in*E.Coli*using an N-terminal GST tag. MW=63kDa.
Species	Human
Source	E.coli
ProteinLength	883-1201 a.a.
Description	PTPRS is a member of a subfamily of receptor type PTPases that is characterized by the presence of an extracellular cell 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

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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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PDB rendering based on 2fh7.	

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