

Active Recombinant Human PTPRS Protein, His-tagged

Cat. No. PTPRS-808H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PTPRS (Accession # NP_570924) Glu30-Gly1260, fused with a C-terminal 6-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
ProteinLength	Glu30-Gly1260
Predicted N Terminal	Glu30 & Ser1173
Form	Lyophilized from a 0.2 µm filtered solution in HEPES and NaCl.
Bio-activity	Measured by its binding ability in a functional ELISA. When Recombinant Human PTPR sigma/PTPRS is coated at 2 µg/mL, Recombinant Human TrkC Fc Chimera binds with an apparent Kd <1 nM.
Molecular Mass	Recombinant Human PTPRS, His-tagged has a calculated MW of 135.8 kDa. In SDS-PAGE migrates as 120-145 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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Reconstitution Reconstitute at 10 g/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

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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