

Active Recombinant Human PTPRA protein, His&GST-tagged

Cat. No. PTPRA-7007H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PTPRA protein(P18433-2)(Ala174-Lys793), fused with His tag and GST tag, was expressed in Insect Cells.
Species	Human
Source	Insect Cells
ProteinLength	174-793 a.a.
Form	Supplied as sterile 20mM Tris, 500mM NaCl, pH 7.4, 20% gly, 3mM DTTPlease contact us for any concerns or special requirements.Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	1. Measured by its ability to bind biotinylated recombinant mouse SRC in a functional ELISA.2. Measured by its ability to cleave a substrate, pNitrophenyl phosphate (pNPP). The specific activity is >40000 pmol/min/μg.
Molecular Mass	The recombinant human PTPRA (aa 174-793)/GST chimera consists of 857 amino acids and has a calculated molecular mass of 99 kDa. It migrates as an approximately 90 kDa band in SDS-PAGE under reducing conditions.
Proteinlength	Ala174-Lys793
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method

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Purity	> 90 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	PTPRA protein tyrosine phosphatase, receptor type, A [Homo sapiens]
Official Symbol	PTPRA
Synonyms	PTPRA; protein tyrosine phosphatase, receptor type, A; PTPA, PTPRL2; receptor-type tyrosine-protein phosphatase alpha; HLPR; HPTPA; LRP; RPTPA; PTPase-alpha; PTPLCA-related phosphatase; tyrosine phosphatase alpha; protein-tyrosine phosphatase alpha; protein tyrosine phosphatase, receptor type, alpha polypeptide; Leukocyte common antigen-related peptide (protein tyrosine phosphate); PTPA; HEPTP; PTPRL2; HPTPalpha; R-PTP-alpha;
Gene ID	5786
mRNA Refseq	NM_002836
Protein Refseq	NP_002827
MIM	176884
UniProt ID	P18433

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