

Recombinant Human PTPRA, GST-tagged, Active

Cat. No. PTPRA-467H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PTPRA (174-802) was expressed by <i>baculovirus</i> in <i>Sf9</i> insect cells using an N-terminal GST tag. MW=96 kDa.
Species	Human
Source	Sf9 Cells
Protein Length	174-802 a.a.
Description	PTPRA (also known as LRP) is a member of the protein tyrosine phosphatase family and contains an extracellular domain, a single transmembrane segment and two tandem intracytoplasmic catalytic domains. PTPRA dephosphorylates SRC family kinases, potassium channels and NMDA receptors and exists as three alternatively spliced variants which encode two distinct isoforms. Absence of PTPRA compromises correct positioning of pyramidal neurons during development of mouse hippocampus.
Sequence	174-802.
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	20p13

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GENE INFORMATION

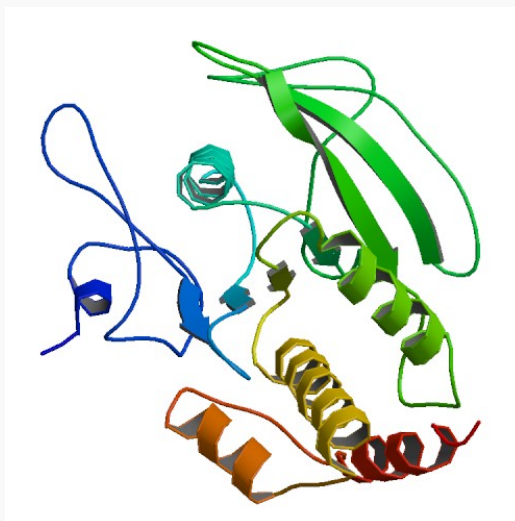
Gene Name	PTPRA protein tyrosine phosphatase, receptor type, A [Homo sapiens]
Synonyms	PTPRA; protein tyrosine phosphatase, receptor type, A; Leukocyte common antigen-related peptide (protein tyrosine phosphate); OTTHUMP00000030064; PTPLCA-related phosphatase; PTPase-alpha; protein tyrosine phosphatase, receptor type, alpha polypeptide; tyrosine phosphatase alpha; LRP; HLPR; PTPA; HEPTP; HPTPA; RPTPA; PTPRL2; HPTPalpha; R-PTP-alpha; EC 3.1.3.48
Gene ID	5786
mRNA Refseq	NM_002836
Protein Refseq	NP_002827
MIM	176884
UniProt ID	P18433
Pathway	Axon guidance
Function	hydrolase activity; transmembrane receptor protein tyrosine phosphatase activity

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PDB rendering based
on 1p15.



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