

PTPRA (LRP) Recombinant Protein | PTPRA recombinant protein

PTPRA (LRP), Active

CATALOG # AAA73840	HOST E Coli	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

PTPRA (LRP); Active; LRP; HLPR; PTPA; HEPTP; HPTPA; RPTPA; PTPRL2; HPTPalpha; R-PTP-alpha; PTPRA recombinant protein

PRODUCT SPECIFICATIONS

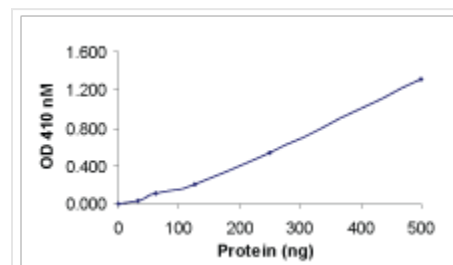
Host	E Coli
Form/Format	Recombinant protein stored in 20mM MOPS, pH7.5, 300mM NaCl, 10mM glutathione, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for PTPRA recombinant protein	WB (Western Blot), Phosphatase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. 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.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Enzyme Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for PTPRA recombinant protein	Recombinant human PTPRA (174-802) was expressed in E Coli cells using an N-terminal GST tag. The gene accession number is NM_002836. 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 (1). Absence of PTPRA compromises correct positioning of pyramidal neurons during development of mouse hippocampus (2).
Product Categories/Family for PTPRA recombinant protein	Phosphatases; Cancer; Inflammation; Invasion/Metastasis; Neurobiology; Phosphatases

References

1. Matthews, R J. et al: Identification of an additional member of the protein-tyrosine-phosphatase family: evidence for alternative splicing in the tyrosine phosphatase domain. Proc. Nat. Acad. Sci. 87: 4444-4448, 1990.
2. Petrone, A. et al: Receptor protein tyrosine phosphatase alpha is essential for hippocampal neuronal migration and long-term potentiation. EMBO J. 2003 Aug 15;22(16):4121-31.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_002836](#)

Molecular Weight

~96kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ptpra-lrp-recombinant-protein-e-coli-wb-western-blot-phosphatase-assay/73840>