



Recombinant Human PTPRA Protein Product Manual

1. Product Basic Information

Product No.: REP07955

Protein Name: Ptpca-Related Phosphatase (PTPRA)

Aliases: LRP; HLPR; PTPA; HEPTP; HPTPA; RPTPA; PTPRL2; HPTPalpha; R-PTP-alpha; PTPase-alpha; PTPLCA-related phosphatase; tyrosine phosphatase alpha; protein-tyrosine phosphatase alpha

UniProt ID: P18433

UniProt Link: <https://www.uniprot.org/uniprotkb/P18433/entry>

Species Source: Homo sapiens (Human)

Expression System: Mammalian cell

Protein Length: Full Length of Mature Protein (20-802aa)

Molecular Weight: 93.1 kDa

Protein Tag: N-terminal 10xHis-tagged and C-terminal Twin-Strep-tagged

2. Amino Acid Sequence (20-802aa)

NNATTVAPSVGITRLINSSTAEPVKEEAKTSNPTSSLTSLSVAPTFSPNITLGPTYLTT
VNSSDSNGTTRTASTNSIGITISPNGTWLPDNQFTDARTEPWEGNSSTAATTPETF
PPSGNSDSKDRRDETPIIIVMVALSSLLVIVFIIIVLYMLRFKYYKQAGSHSNFRLSN
GRTEDEVQSVPLLARSPSTNRKYPPPLPVDKLEEEINRRMADDNKLFREEFNALPA
CPIQATCEAASKEENKEKNRYVNILPYDHSRVHLTPVEGVPDSYINASFINGYQEK
NKFIAAQGPKEETVNDFWRMIWEQNTATIVMVTNLKERKECKCAQYWPDQGCWTY
GNIRVSVEDVTVLVDYTVRKFCIQQVGDMTNRKPQRLITQFHFTSWPDFGVPFTPIG
MLKFLKVKACNPQYAGAIVVHCSAGVGRTGTFVVIDAMLDMHTEKVDVYGFV
SRIRAQRCQMVTDMQYVFIYQALLEHYLYGDTELEVTSLETHLQKIYNKIPGTSNN
GLEEEFKLTSIKIQNDKMRTGNLPANMKKNRVLQIIPYEFNRVIIPVKRGEENTDYV
NASFIDGYRQKDSYIASQGPLLHTIEDFWRMIWEWKSCSIVMLTELEERGQEKCAQ
YWPSDGLVSYGDITVELKKEEECESYTVRDLLVTNTRENKSRQIRQFHFGWPEVG
IPSDGKGMISIIAAVQKQQQSGNHPITVHCSAGAGRTGTFCALSTVLERVKAEGILD
VFQTVKSLRLQRPHMVQTLEQYEFQYKVVQEYIDAFSDYANFK



3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human PTPRA full length of mature protein protein (20-802aa) expressed in Mammalian cell. The protein is dual-tagged with 10xHis tag at the N-terminus and Twin-Strep tag at the C-terminus, which facilitates protein purification, detection and identification. PTPRA, also known as LRP or HLPR or PTPA, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.