

# Recombinant Full Length Human Receptor-Type Tyrosine-Protein Phosphatase Alpha(Ptpra) Protein, His-Tagged

**Cat. No.** RFL17537HF    **Lot. No.** (See product label)

## SPECIFICATION

**Product Overview**      Recombinant Full Length Human Receptor-type tyrosine-protein phosphatase alpha(PTPRA) Protein (P18433) (20-802aa), fused to N-terminal His tag, was expressed in E. coli.

**Species**      Human

**Source**      E.coli

**ProteinLength**      Full Length of Mature Protein (20-802)

**Form**      Lyophilized powder

**AA Sequence**

NNATTVAPSVGITRLINSSTAEPVKEEAKTSNPTSSLTSLSVAPTFSPNITLGPTYLTT  
 VNSSSDSDNGTTRTASTNSIGITISPNGTWLPDNQFTDARTEPWEGNSSTAATTPETF  
 PPSDETPIIAVMVALSSLLVIVFIIIVLYMLRFKKYKQAGSHSNSKQAGSHSNSFRLSN  
 GRTEDEVPEQSVPLLARSPSTNRKYPPLPVDKLEEEINRRMADDNKLFREEFNALPAC  
 PIQATCEAASKEENKEKNRYVNILPYDHSRVHLTPVEGVPDSYINASFINGYQEKNK  
 FIAAQGPKEETVNDFWRMIWEQNTATIVMVTNLKERKECKCAQYWPDQGCWTYGN  
 IRVSVEDVTVLVDYTVRKFCIQQVGDMTNRKPQRLITQFHFTSWPDFGVPFTPIGML  
 KFLKKVKACNPQYAGAIVVHCSAGVGRTGTFVVIDAMLDMMHTERKVDVYGFVSRI  
 RAQRCQMVQTDMQYVFIYQALLEHYLYGDTELEVTSLETHLQKIYNKIPGTSNNGLE  
 EEFKKLTSIKIQNDKMRTGNLPANMKKNRVLQIIPYEFNRVIIPVKRGEENTDYVNASF  
 IDGYRQKDSYIASQGPLLHTIEDFWRMIWEWKSCSIVMLTELEERGQEKCAQYWPS

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DGLVSYGDITVELKKEEECESYTVRDLLVTNTRENKSRQIRQFHFHGWPEVGI  
 PSDG KGMISIIAAVQKQQQSGNHPITVHCSAGAGRTGTFCALSTVLERVKAEGILDV  
 FQTV KSLRLQRPHMVQTLEQYEFQYKVVQEYIDAFSDYANFK

**Purity** Greater than 90% as determined by SDS-PAGE.

**Applications** SDS-PAGE

**Notes** Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

**Storage** Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

**Storage Buffer** Tris/PBS-based buffer, 6% Trehalose, pH 8.0

**Reconstitution** We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## GENE INFORMATION

**Gene Name** PTPRA

**Synonyms** PTPRA; PTPA; PTPRL2; Receptor-type tyrosine-protein phosphatase alpha; Protein-tyrosine phosphatase alpha; R-PTP-alpha

**UniProt ID** [P18433](https://www.uniprot.org/entry/P18433)

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