

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

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| <b>Product Overview</b> | 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | Full Length of Mature Protein (20-802)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | <p>NNATTVAPSVGITRLINSSTAEPVKEEAKTSNPTSSLTSLSVAPTFSPNITLGPTYLTT<br/> VNSSDSNGTTRTASTNSIGITISPNGTWLPDNQFTDARTEPWEGNSSTAATTPETF<br/> PPSDETPIIAVMVALSSLLVIVFIIIVLYMLRFKKYKQAGSHSNSKQAGSHSNSFRLSN<br/> GRTEDVEPQSVPLLARSPSTNRKYPPLPVDKLEEEINRRMADDNKLFREEFNALPAC<br/> PIQATCEAASKEENKEKNRYVNILPYDHSRVHLTPVEGVPDSYINASFINGYQEKNK<br/> FIAAQGPKEETVNDFWRMWEQNTATIVMVTNLKERKECKCAQYWPDQGCWTYGN<br/> IRVSVEDVTVLVDYTVRKFCIQQVGDMTNRKPQRLITQFHFTSWPDFGVPFTPIGML<br/> KFLKKVKACNPQYAGAIVVHCSAGVGRTGTFVVIDAMLDMMHTERKVDVYGFVSRI<br/> RAQRCQMVQTDQMZYVFIYQALLEHYLYGDTELEVTSLETHLQKIYNKIPGTSNNGLE<br/> EEFKKLTSIKIQNDKMRTGNLPANMKKNRVLQIIPYEFNRVIIPVKRGEENTDYVNASF<br/> IDGYRQKDSYIASQGPLLHTIEDFWRMIEWEWSKCSIVMLTELEERGQEKCAQYWPS</p> |

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DGLVSYGDITVELKKEEECESYTVRDLLVTNTRENKSRQIRQFHFHGWPEVGIPSDG  
KGMISIIAAVQKQQQSGNHPITVHCSAGAGRTGTFCALSTVLERVKAEGILDVFQTV  
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](#)

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