

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

Cat. No. RFL18512RF Lot. No. (See product label)

## SPECIFICATION

**Product Overview** Recombinant Full Length Rat Receptor-type tyrosine-protein phosphatase alpha(Ptpa) Protein (Q03348) (20-796aa), fused to N-terminal His tag, was expressed in E. coli.

**Species** Rat

**Source** E.coli

**ProteinLength** Full Length of Mature Protein (20-796)

**Form** Lyophilized powder

**AA Sequence**

NNTTTVSPSLGTTRLIKTSTTESAKEENKTSNSTSSVISLSVTPTFSPNLTLEPTYVTT  
 VNSSHSDNGTKRAASTESGGTTISPNGTYGTWLTNDNQFTDARTEPWEGNSSAAT  
 TPETFPPADETPIIAVMVALSSLLVILFIIIVLYMLRFKKYKQAGSHSNSFRLSNGRTED  
 VEPQSVPLLARSPSTNRKYPPLPVDKLEEEINRRMADDNKLFREEFNALPACPIQAT  
 CEAASKEENKEKNRYVNLLPYDHSRVHLTPVEGVPSDYINASFINGYQEKNKFAIA  
 QGPKEETVNDFWRMIWEQNTATIVMVTNLKERKECKCAQYWPDQGCWPYGNVRV  
 SVEDVTVLVDYTVRKFCIQQVGDVTNRKPQRLITQFHFTSWPDFGVPFTPIGMLKFL  
 KVKACNPQYAGAIVVHCSAGVGRGTGFVVIDAMLDMMHSEKVDVYGFVSRIRAQ  
 RCQMVQTDMQYVFIYQALLEHYLYGDTELEVTSLDTHLQKIYNKIPGTSNNGLEEEF  
 KKLTSIKIQNDKMRTGYLPANMKKNRVLQIIPYEFNRVIVPKRGEENTDYVNASFIDP  
 YRQKDSYIASQGPLLHTTEDFWRMIWEWKSCSIVMLTELEERGQEKCAQYWPSDG

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LVSYGDITVELKKEEECESYTVRDLLVTNTRENKSRQIRQFHFHGWPEVGI PSDGKG  
 MINIIAAVQKQQQQSGNHPITVHCSAGAGRTGTFCALSTVLECVKAEGILDVVFQTVKT  
 LRLQRPHMVQILEQYEFQYKVVQEYIDAFSDYANFK

**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** Ptpa

**Synonyms** Ptpa; Lrp; Receptor-type tyrosine-protein phosphatase alpha; Protein-tyrosine phosphatase alpha; R-PTP-alpha

**UniProt ID** [Q03348](https://www.uniprot.org/entry/Q03348)

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