

# Recombinant Human PTPRT Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP07961

**Protein Name:** Receptor Protein Tyrosine Phosphatase (PTPRT)

**Aliases:** R-PTP-RPTPrho; RPTP-rho; receptor protein tyrosine phosphatase

**UniProt ID:** O14522

**UniProt Link:** <https://www.uniprot.org/uniprotkb/O14522/entry>

**Species Source:** Homo sapiens (Human)

**Expression System:** Mammalian cell

**Protein Length:** Partial (26-747aa)

**Molecular Weight:** 109.2 kDa

**Protein Tag:** C-terminal hFc1-tagged

## 2. Amino Acid Sequence (26-747aa)

QSAAGGCSFDEHYSNCGYSVALGTNGFTWEQINTWEKPMLDQAVPTGSFMMVNS  
SGRASGQKAHLLPTLKENDTHCIDFHYYFSSRDRSSPGALNVYVKVNGGPQGNP  
VWNVSGVVTEGWVKAELAISTFWPHFYQVIFESVSLKGHYPGYIAVDEVRLAHP  
KAPHFLRLQNVENVGQNAFTQCIAGGKWSQHDKLWLQQWNGRDTALMVTRV  
HRRFSATVSVADTAQRSVSKYRCVIRSDGGSGVSNYAELIVKEPPTPIAPPELLAVG  
ATYLVWIKPNANSIIGDGPIILKEVEYRTTTGTWAETHIVDSPNYKLWHLDPDVEYEIRV  
LLTRPGEGGTGPPGPPLTTRTKCADPVHGPQNVEIVDIRARQLTLQWEPFGYAVTR  
CHSYNLTVQYQYVFNQQQYEAEEVIQTSSHYTLRGLRPFMTIRLRLLSNPEGRME  
SEELVVQTEEDVPGAVPLESIQGGPFEEKIYIQWKPPNETNGVITLYEINYKAVGSLD  
PSADLSSQRGKVKLRNETHHLFVGLYPGTTYSTIKASTAKGFGPPVTTRIATKISA  
PSMPEYDTPNETDITVMLKPAQSRGAPVSVYQLVVKEERLQKSRRAADIIEC  
FSPVPSYRNASSLDSLHYFAAELKPANLPVTQPFTVGDNKTYNGYWNPPLSPLKSY  
SIYFQALSKANGETKINCVRLATKGASTQNSNTVEPEKQVDNTVKM

## 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)



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

## 4. Storage Conditions

Upon receipt, store the product at  $-20^{\circ}\text{C}$  or  $-80^{\circ}\text{C}$ . 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 PTPRT partial protein (26-747aa) expressed in Mammalian cell. The protein is with hFc1 tag at the C-terminus, which facilitates protein purification, detection and identification. PTPRT, also known as R-PTP-RPTPrho or RPTP-rho or receptor protein tyrosine phosphatase, 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.