

Recombinant Human PTPN1 Protein Product Manual

1. Product Basic Information

Product No.: REP07951

Protein Name: Protein-Tyrosine Phosphatase 1B (PTPN1)

Aliases: protein-tyrosine phosphatase 1B; protein tyrosine phosphatase, placental

UniProt ID: P18031

UniProt Link: <https://www.uniprot.org/uniprotkb/P18031/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Partial (1-321aa)

Molecular Weight: 44.8 kDa

Protein Tag: N-terminal 10xHis-tagged and C-terminal Myc-tagged

2. Amino Acid Sequence (1-321aa)

MEMEKEFEQIDKSGSWAAIYQDIRHEASDFPCRVAKLPKNKNRNRNRYRDVSPFDHS
RIKLHQEDNDYINASLIKMEEAQRSYILTQGPLPNTCGHFWEMVWEQKSRGVVMLN
RVMEKGSCLKCAQYWPQKEEKEMIFEDTNLKLTLISEDIKSYTTRQLELENLTTQET
REILHFHYTTWPDFGVPESPASFLNFLFKVRESGSLSPHEGPPVVVHCSAGIGRSGT
FCLADTCLLLMDKRKDPSSVDIKKVLLEMRKFRMGLIQTADQLRFSYLAVIEGAKFIM
GDSSVQDQWKELSHEDLEPPPEHIPPPrPPKRILEPHN

3. Storage Buffer

Liquid Delivery Form: Tris-based buffer with 50% glycerol.

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 PTPN1 partial protein (1-321aa) expressed in E.coli. The protein is dual-tagged with 10xHis tag at the N-terminus and Myc tag at the C-terminus, which facilitates protein purification, detection and identification. PTPN1, also known as protein-tyrosine phosphatase 1B or protein tyrosine phosphatase, placental, 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.