

Recombinant Human PTPN12 Protein Product Manual

1. Product Basic Information

Product No.: REP07953

Protein Name: Protein-Tyrosine Phosphatase G1 (PTPN12)

Aliases: PTPG1; PTP-PEST; protein-tyrosine phosphatase G1; protein tyrosine phosphatase non-receptor type 12; tyrosine-protein phosphatase non-receptor type 12

UniProt ID: Q05209

UniProt Link: <https://www.uniprot.org/uniprotkb/Q05209/entry>

Species Source: Homo sapiens (Human)

Expression System: Yeast

Protein Length: Full Length (1-780)

Molecular Weight:

Protein Tag: Tag type will be determined during the manufacturing process. The tag type will be determined during production process. If you have specified tag type, please tell us and we will develop the specified tag preferentially.

2. Amino Acid Sequence (1-780)

MEQVEILRKFIQRVQAMKSPDHNGEDNFARDFMRLRRLSTKYRTEKIYPTATGEKE
ENVKKNRYKDILPFDHSRVKLTCLKTPSQSDYINANFIKGVYGPAYVATQGPLANT
VIDFWRMIWEYNVVIIMACREFEMGRKKCERYWPLYGEDPITFAPFKISCEDEQAR
TDYFIRTLLEFQNESRRLYQFHVNWPDHDPSSFDSILDMISLMRKYQEHEDVPI
CIHCSAGCGRTGAICAIDYTNLLKAGKIPEEFNVFNLIQEMRTQRHSAVQTKEQYE
LVHRAIAQLFEKQLQLYEIHGAQKIADGVNEINTENMVSSIEPEKQDSPPP KPPRTRS
CLVEGDAKEEILQPPEHPVPPILTSPPSAFPTVTTVWQDNDRYHPKPVLMVSS
EQHSADLNRNYSKSTELPGKNESTIEQIDKKLERNLSFEIKKVPLQEGPKSFDGNTLL
NRGHAIKIKSASPCIAKISKPQELSSDLNVGDTSQNSCVDCSVTQSNKVSVTPPEE
SQNSDTPPRPDRPLDEKGHVTSFHGPENAIPIPDLSEGNSSDINYQTRKTVSLTP
SPTTQVETPDLVDHDNTSPLFRTPLSFTNPLHSDSDSDERNSDGAVTQNKTNIST
ASATVSAATSTESISTRKVLPMIARHNIAGTTHSGAEKDVDVSEDSPPPLPERTPE
SFVLASEHNTVPVRSEWSELQSQRSEQKKSEGLITSENEKCDHPAGGIHYEMCIEC
PPTFSDKREQISENPTEATDIGFGNRCGKPKGPRDPPSEWT



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 when placing orders).

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 PTPN12 full length protein (1-780) expressed in Yeast. PTPN12, also known as PTPG1 or PTP-PEST or protein-tyrosine phosphatase G1, 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.