

Recombinant Human POP4 Protein Product Manual

1. Product Basic Information

Product No.: REP07844

Protein Name: Pop4 Ribonuclease P/Mrp Subunit (POP4)

Aliases: hPOP4; POP4 ribonuclease P/MRP subunit; ribonuclease P protein subunit p29; POP4 homolog, ribonuclease P/MRP subunit

UniProt ID: O95707

UniProt Link: <https://www.uniprot.org/uniprotkb/O95707/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-220aa)

Molecular Weight: 41.4kDa

Protein Tag: N-terminal 6xHis-SUMO-tagged

2. Amino Acid Sequence (1-220aa)

MKSVIYHALSQKEANDSDVQPSGAQRAEAFVRAFLKRSTPRMSPQAREDQLQRKA
VVLEYFTRHKRKEKKKKAKGLSARQRRELRLFDIKPEQQRYSLFLPLHELWKQYIRD
LCSGLKPDTQPQMIQAKLLKADLHGAIISVTKSKCPSYVGITGILLQETKHIFKIITKED
RLKVIPKLNCVFTVETDGFISYIYGSKFQLRSSERSAKKFKAKGTIDL

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



5. Product Description

This product is a recombinant Human POP4 full length protein (1-220aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. POP4, also known as hPOP4 or POP4 ribonuclease P/MRP subunit or ribonuclease P protein subunit p29, 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.