

Recombinant Human PRIM1 Protein Product Manual

1. Product Basic Information

Product No.: REP07889

Protein Name: Dna Primase Primase P49 Subunit (PRIM1)

Aliases: p49; PDIL; DNA primase primase p49 subunit; DNA primase subunit DNA primase subunit 48; primase (DNA) subunit DNA primase small subunit; DNA primase 49 kDa subunit; primase polypeptide 1, 49kDa; prima...

UniProt ID: P49642

UniProt Link: <https://www.uniprot.org/uniprotkb/P49642/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-420aa)

Molecular Weight: 65.9kDa

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

2. Amino Acid Sequence (1-420aa)

METFDPTPELPELLKLYRRLFPYSQYYRWLNYYGGVIKNYFQHREFSFTLKDDIYIRY
QSFNNQSDLEKEMQKMNPYKIDIGAVYSHRPNQHNTVKLGAFQAQEKELVFDIDMT
DYDDVRRCCSSADICPKCWTLMTMAIRIIDRALKEDFGFKHRLWVYSGRRGVHCW
VCDESVRKLSSAVRSGIVEYLSLVKGGQDVKKKVHLSEKIHPFIRKSINIIKKYFEEYA
LVNQDILENKESWDKILALVPETIHDELQQSFQKSHNSLQRWEHLKKVASRYQNNIK
NDKYGPWLEWEIMLQYCFPRLDINVSKGINHLLKSPFSVHPKTGRISVPIDLQKVDQ
FDPFTVPTISFICRELDAISTNEEEEKEENEAEESDVKHRTDRDYKKTSLAPYVKVFEHFL
ENLDKSRKGELLKKSDDLQKDF

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 PRIM1 full length protein (1-420aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. PRIM1, also known as p49 or PDIL or DNA primase primase p49 subunit, 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.