

Recombinant Human PLD4 Protein Product Manual

1. Product Basic Information

Product No.: REP07810

Protein Name: Phospholipase D4 (PLD4)

Aliases: PLD SLEB18; C14orf175; phospholipase D4; choline phosphatase 5'-3' exonuclease PLD4; (S,S)-bis(monoacylglycero)phosphate synthase PLD4

UniProt ID: Q96BZ4

UniProt Link: <https://www.uniprot.org/uniprotkb/Q96BZ4/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Partial (52-506aa)

Molecular Weight: 66.0kDa

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

2. Amino Acid Sequence (52-506aa)

WQVPRPPTWGQVQPKDVPRSWEHGSSPAWEPLEAEARQQRDSCQLVLVESIPQ
DLPSAAGSPSAQPLGQAWLQLLDTAQESVHVASYWWSLTGPDIGVNDSSSQLGEA
LLKQLQQLLGRNISLAVATSSPTLARTSTDQLVLAARGAHVRQVPMGRLTRGVLHS
KFWVVDGRHIYMGSANMDWRSLTQVKELGAVIYNCSHLAQDLEKTFQTYWVLGVP
KAVLPKTWPQNFSSHFNRFPFHGLFDGVPTTAYFSASPPALCPQGRTRDLEALLA
VMGSAQEFIYASVMEYFPTTRFSHPRYWPVLDNALRAAAFSGKGVRRLLVGCGL
NTDPTMFPYLRSLQALSNPAAANVSVDVKVIFVPGNHSNIPFSRVNHSKFMVTEKAA
YIGTSNWSSEDFSSSTAGVGLVVTQSPGAQPAGATVQEQLRQLFERDWSSRYAVGL
DGQAPGQDCVWQG

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 PLD4 partial protein (52-506aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. PLD4, also known as PLD SLEB18 or C14orf175 or phospholipase D4, 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.