

Recombinant Human PLD5 Protein Product Manual

1. Product Basic Information

Product No.: REP07811

Protein Name: Inactive Pld Inactive Phospholipase D5 (PLD5)

Aliases: inactive PLD inactive phospholipase D5

UniProt ID: Q8N7P1

UniProt Link: <https://www.uniprot.org/uniprotkb/Q8N7P1/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (92-536aa)

Molecular Weight: 66.8kDa

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

2. Amino Acid Sequence (92-536aa)

MGEDEDGLSEKNCQNKCRIALVENIPEGLNYS NAPFHLSLFQGW MLLNMAKKS
VDIVSSHWDLNHTHPSACQGQRLFEKLLQLTSQNI EIKLVSDVTADSKVLEALKLKG
AEVTYMNMTAYNKGRLQSSFWIVDKQH VYIGSAGLDWQSLGQMKE LGVIFYNCSC
LVLDLQRIFALYSSLKFKSRVPQTWSKRL YGVYDNEKKLQLQLNETKSQAFVSN
SPKLFCKPKNRSFDIDAIYSVIDDAKQYVYI AVM DYLPISSTSTKRTYWPDLDAK
IREALVLR SVRVRLLLSFWKETDPLTFNFIS SLKAICTEIANCSLKVKFFDLEREN
ACATKEQKNH TFPRLNRNKYMVTDGAA YIGNFDWVGNDFTQNAGTGLVINQADVR
NNRSIIKQLKD VFERDWYSPYAKTLQPTKQPNCSS LFKLPLSNKTATDDTGKDP
RNV

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 PLD5 full length of mature protein protein (92-536aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. PLD5, also known as inactive PLD inactive phospholipase D5, 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.