

Recombinant Human PNPLA2 Protein Product Manual

1. Product Basic Information

Product No.: REP07831

Protein Name: Triglyceride Hydrolase (PNPLA2)

Aliases: ATGL; TTS2; PEDF-TTS2.FP17548; TTS-2.desnutrin; iPLA2zeta; IPLA2-zeta; 1110001C14Rik; triglyceride hydrolase; adipose triglyceride lipase; calcium-independent phospholipase A2; calcium-independent pho...

UniProt ID: Q96AD5

UniProt Link: <https://www.uniprot.org/uniprotkb/Q96AD5/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-504aa)

Molecular Weight: 71.3kDa

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

2. Amino Acid Sequence (1-504aa)

MFPREKTWNISFAGCGFLGVYYVGVASCLREHAPFLVANATHIYGASAGALTATAL
VTGVCLGEAGAKFIEVSKEARKRFLGPLHPSFNLVKIIRSFLKVLKVPADSHEHASGRL
GISLTRVSDGENVIISHFNSKDELIQANVCSGFIPVYCGLIIPPSLQGVRYVDGGISDNL
PLYELKNTITVSPFSGESDPCQDSSTNIHELVRTNTSIQFNLRNLYRLSKALFPPEPL
VLREMCKQGYRDGLRFLQRNGLLNRPNLLALPPARPHGPEDKDQAVESAQAEDY
SQLPGEDHILEHLPARLNEALLEACVEPTDLLTTLNMLPVRLATAMMVPYTLPLES
ALSFTIRLLEWLDPDVPEDIRWMKEQTGSICQYLMRAKRKLGRHLPSRLPEQVELR
RVQSLPSVPLSCAAYREALPGWMRNLSLGDALAKWEECQRQLLLGLFCTNVAFP
PEALRMRAPADPAPAPADPASPQHQLAGPAPLLSTPAPEARPVIGALGL

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

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 PNPLA2 full length protein (1-504aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. PNPLA2, also known as ATGL or TTS2 or PEDF-TTS2.FP17548, 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.