

# Recombinant Full Length Human PNPLA2 Protein, C-Flag-tagged

**Cat. No.** PNPLA2-251HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human PNPLA2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | This gene encodes an enzyme which catalyzes the first step in the hydrolysis of triglycerides in adipose tissue. Mutations in this gene are associated with neutral lipid storage disease with myopathy.                                                                                                                                                                                                                                                                                                                                              |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Molecular Mass</b>   | 55.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | MFPREKTWNISFAGCGFLGVYYVGVASCLREHAPFLVANATHIYGASAGALTATALV<br>TGVCLGEAGAKFI EVSKEARKRFLGPLHPSFNLVKIIRSFLKVLPA DSHEHASGRLG<br>ISLTRVSDGENVIISHFNSKDELIQ ANVCSGFIPVYCG LIPPSLQGVRYVDGGISDNLP<br>LYELKNTITVSPFSGESDIPCQDSSTNIHELVRTNT SIQFNLRNLYRLSKALFPPEPLV<br>LREMCKQGYRDGLRFLQRNGLLNRPNPLLALPPARPHGPE DKDQAVE SAQAEDYS<br>QLPGEDHILEHLPARLNEALLEACVEPTDLLTTLSNMLPVRLATAMMV PYTLPLESAL<br>SFTI RLLEWLDPVPEDIRWMKEQTGSICQYLVMRAKRKLGRHLPSRLPEQVELRRV<br>QSLPSVPLSCAAYREALP GWMRN NLSLGDALAKWEECQRQLLLGLFCTNVAFPPE<br>ALRM RAPADPAPAPADPASPQHQLAGPAPLLST |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                         |                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
|                         | PAPEARPVIGALGLTRTRPLEQKLISEEDLAANDILDYKDDDDKV                                                                                                 |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining.                                                                                  |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| <b>Storage</b>          | Store at -80 centigrade.                                                                                                                      |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method.                                                                                             |
| <b>Preparation</b>      | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                              |
| <b>Protein Families</b> | Transmembrane                                                                                                                                 |
| <b>Full Length</b>      | Full L.                                                                                                                                       |

## GENE INFORMATION

|                        |                                                                                |
|------------------------|--------------------------------------------------------------------------------|
| <b>Gene Name</b>       | PNPLA2 patatin like phospholipase domain containing 2 [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | PNPLA2                                                                         |
| <b>Synonyms</b>        | ATGL; TTS2; PEDF-R; FP17548; TTS-2.2; iPLA2zeta; 1110001C14Rik                 |
| <b>Gene ID</b>         | 57104                                                                          |
| <b>mRNA Refseq</b>     | NM_020376.4                                                                    |
| <b>Protein Refseq</b>  | NP_065109.1                                                                    |

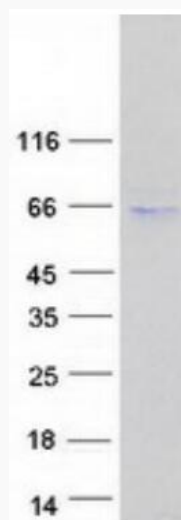
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**MIM** 609059

**UniProt ID** Q96AD5



Coomassie blue staining of purified PNPLA2 protein.

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