

## Recombinant Mouse Pnpla2 Protein, Myc/DDK-tagged

Cat. No. Pnpla2-4972M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length patatin-like phospholipase domain containing 2 (cDNA clone MGC:29206 IMAGE:5027544), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Catalyzes the initial step in triglyceride hydrolysis in adipocyte and non-adipocyte lipid droplets. Exhibits a strong preference for the hydrolysis of long-chain fatty acid esters at the sn-2 position of the glycerol backbone. Also has acylglycerol transacylase activity. Acts coordinately with LIPE/HLS and DGAT2 within the lipolytic cascade. Regulates adiposome size and may be involved in the degradation of adiposomes. May play an important role in energy homeostasis. May play a role in the response of the organism to starvation, enhancing hydrolysis of triglycerides and providing free fatty acids to other tissues to be oxidized in situations of energy depletion.
<b>Molecular Mass</b>	75.7 kDa
<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 after receiving vials.

 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

**Concentration** >50 µg/mL as determined by microplate BCA method

**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** Pnpla2 patatin-like phospholipase domain containing 2 [ Mus musculus (house mouse) ]

**Official Symbol** Pnpla2

**Synonyms** Pnpla2; patatin-like phospholipase domain containing 2; At; Atgl; desn; TTS-2.2; 0610039C21Rik; 1110001C14Rik; patatin-like phospholipase domain-containing protein 2; adipose triglyceride lipase; desnutrin; transport-secretion protein; triglyceride hydrolase; EC 3.1.1.3

**Gene ID** 66853

**mRNA Refseq** NM\_025802

**Protein Refseq** NP\_080078

**UniProt ID** Q8BJ56

 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