

Recombinant Mouse Pnpla2 Protein, Myc/DDK-tagged

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

SPECIFICATION

Product Overview	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.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	75.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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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

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