

Recombinant Human PNPLA2 protein, MYC/DDK-tagged

Cat. No. PNPLA2-320H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PNPLA2 fused with MYC/DDK tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
Description	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.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	55.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Notes	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name	PNPLA2 patatin-like phospholipase domain containing 2 [Homo sapiens]
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Official Symbol	PNPLA2
Synonyms	PNPLA2; patatin-like phospholipase domain containing 2; patatin-like phospholipase domain-containing protein 2; ATGL; desnutrin; FP17548; TTS 2.2; TTS2.2; IPLA2-zeta; triglyceride hydrolase; adipose triglyceride lipase; transport-secretion protein 2.2; pigment epithelium-derived factor; calcium-independent phospholipase A2; TTS2; PEDF-R; TTS-2.2; 1110001C14Rik; DKFZp667M109;
Gene ID	57104
mRNA Refseq	NM_020376
Protein Refseq	NP_065109
MIM	609059
UniProt ID	Q96AD5
Chromosome Location	11p15.5
Pathway	Fatty Acid Beta Oxidation, organism-specific biosystem; Triacylglyceride Synthesis, organism-specific biosystem; triacylglycerol degradation, organism-specific biosystem;
Function	hydrolase activity; retinyl-palmitate esterase activity; triglyceride lipase activity;