

Recombinant Full Length Human PNPLA2 Protein

Cat. No. PNPLA2-381HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human PNPLA2 (1 a.a. - 504 a.a.) fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	504 amino acids
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.
Molecular Mass	81.7 kDa
AA Sequence	MFPREKTWNI SFAGCGFLGV YYVGVASCLR EHAPFLVANA THYIGASAGA LTATALVTGV CLGEAGAKFI EVSKEARKRF LGPLHPSFNL VKIIRSFLK VLPADSHEHA SGRLGISLTR VSDGENVIIS HFNSKDELIQ ANVCSGFIPV YCGLIPPSLQ GVMRYVDGGIS DNLPLYELKN TITVSPFSGE SDICPQDSST NIHELVRTNT SIQFNLRNLY RLSKALFPPE PLVLREMCKQ GYRDGLRFLQ RNGLLNRPNP LLALPPARPH GPEDKDQAVE SAQAEDYSQL PGEDHILEHL PARLNEALLE ACVEPTDLLT TLSNMLPVRL ATAMMVPYTL PLESALSFTI RLLEWLDPVP EDIRWMKEQT GSICQYLVMR AKRKLGRHLP SRLPEQVELR RVQSLPSVPL SCAAYREALP GWMRNNLSLG DALAKWEECQ RQLLLGLFCT NVAFPPEALR MRAPADPAPA PADPASPQHQ LAGPAPLLST PAPEARPVIG ALGL

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Purity	Glutathione Sepharose 4 Fast Flow
Applications	ELISA; WB
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCL, 10 mM reduced Glutathione, pH 8.0 in the elution buffer.

GENE INFORMATION

Gene Name	PNPLA2 patatin-like phospholipase domain containing 2 [Homo sapiens]
Official Symbol	PNPLA2
Synonyms	PNPLA2; patatin-like phospholipase domain containing 2; TGL; TTS2; PEDF-R; FP17548; TTS-2.2; DESNUTRIN; DKFZp667M109; 1110001C14Rik; triglyceride hydrolase; adipose triglyceride lipase; transport-secretion protein 2.2; pigment epithelium-derived factor; Patatin-like phospholipase domain-containing protein 2; EC 3.1.1.3; Adipose triglyceride lipase; Desnutrin; Transport-secretion protein 2; TTS2.2; Calcium-independent phospholipase A2; IPLA2-zeta; Pigment epithelium-derived factor
Gene ID	57104
mRNA Refseq	NM_020376
Protein Refseq	NP_065109
MIM	609059
UniProt ID	Q96AD5

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