

# 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 GVRYVDGGIS DNLPLYELKN TITVSPFSGE SDICPQDSST  
 NIHELRTVNT SIQFNLRNLY RLSKALFPPE PLVLREMCKQ GYRDGLRFLQ  
 RNGLLNRPNP LLALPPARPH GPEDKQAVE SAQAEDYSQL PGEDHILEHL  
 PARLNEALLE ACVEPTDLLT TLSNMLPVRL ATAMMVPYTL PLESALSFTI  
 RLLEWLDPVP EDIRWMKEQT GSICQYLVMR AKRKLGRHLP SRLPEQVELR  
 RVQSLPSVPL SCAAYREALP GWMRNLSLG DALAKWEECQ RQLLLGLFCT  
 NVAFPPEARL MRAPADPAPA PADPASPQHQ LAGPAPLLST PAPEARPVIG ALGL

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

## GENE INFORMATION

<b>Gene Name</b>	PNPLA2 patatin-like phospholipase domain containing 2 [ Homo sapiens ]
<b>Official Symbol</b>	PNPLA2
<b>Synonyms</b>	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
<b>Gene ID</b>	57104
<b>mRNA Refseq</b>	NM_020376
<b>Protein Refseq</b>	NP_065109
<b>MIM</b>	609059
<b>UniProt ID</b>	Q96AD5

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