

Recombinant Human PNPLA2, GST-tagged

Cat. No. PNPLA2-325H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PNPLA2 (1 a.a. - 504 a.a.) fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	Wheat Germ
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
Sequence	<p>MFPREKTWNISFAGCGFLGVVYVGVASCLREHAPFLVANATHIYGASAGALTATALV TGVCLGEAGAKFIEVSKEARKRFLGPLHPSFNLVKIIRSFLKVLPADSHEHASGRLGI SLTRVSDGENVIISHFNSKDELIQANVCSGFIPVYCGLIPPSLQGVRYVDGGISDNLPL YELKNTITVSPFSGESDIPCQDSSTNIHELRVNTNTSIQFNLRNLYRLSKALFPPEPLVL REMCKQGYRDGLRFLQRNGLLNRPNPLLALPPARPHGPEDKDQAVESAQAEDYSQ LPGEDHILEHLPARLNEALLEACVEPTDLLTTLNMLPVRLATAMMVPLYTLPLESALS FTIRLLEWLDPVPEDIRWMKEQTGSICQYLVMAKRKLGRHLP SRLPEQVELRRVQS LPSVPLSCAAYREALPGWMRNLSLGDALAKWEECQRQLLLGLFCTNVAFPPEARL MRAPADPAPAPADPASPQHQLAGPAPLLSTPAPEARPVIGALGL</p>
Purification	Glutathione Sepharose 4 Fast Flow

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Storage buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0 in the elution buffer.
Applications	ELISA; WB
Storage	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.
OfficialSymbol	PNPLA2

GENE INFORMATION

Gene Name	PNPLA2 patatin-like phospholipase domain containing 2 [Homo sapiens]
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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Chromosome Location	11p15.5
Pathway	Acyl chain remodeling of DAG and TAG; Acylglycerol degradation; Fatty Acid Beta Oxidation; Glycerolipid metabolism
Function	retinyl-palmitate esterase activity; triglyceride lipase activity

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