

Recombinant Human AGPAT1 cell lysate

Cat. No. AGPAT1-36HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	This gene encodes an enzyme that converts lysophosphatidic acid (LPA) into phosphatidic acid (PA). LPA and PA are two phospholipids involved in signal transduction and in lipid biosynthesis in cells. This enzyme localizes to the endoplasmic reticulum. This gene is located in the class III region of the human major histocompatibility complex. Alternative splicing results in two transcript variants encoding the same protein.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	AGPAT1 1-acylglycerol-3-phosphate O-acyltransferase 1 (lysophosphatidic acid acyltransferase, alpha) [Homo sapiens]
Official Symbol	AGPAT1
Synonyms	AGPAT1; 1-acylglycerol-3-phosphate O-acyltransferase 1 (lysophosphatidic acid

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acyltransferase, alpha); 1-acyl-sn-glycerol-3-phosphate acyltransferase alpha; LPAAT alpha; 1-AGPAT 1; 1-AGP acyltransferase 1; lysophospholipid acyltransferase; lysophosphatidic acid acyltransferase alpha; 1-acylglycerol-3-phosphate O-acyltransferase 1 (acetoacetyl Coenzyme A thiolase); G15; LPAATA; 1-AGPAT1; LPAAT-alpha; MGC4007; MGC5423;

Gene ID	10554
mRNA Refseq	NM_006411
Protein Refseq	NP_006402
MIM	603099
UniProt ID	Q99943
Chromosome Location	6p21.3
Pathway	CDP-diacylglycerol biosynthesis I, organism-specific biosystem; CDP-diacylglycerol biosynthesis I, conserved biosystem; ChREBP activates metabolic gene expression, organism-specific biosystem; Fat digestion and absorption, organism-specific biosystem; Fat digestion and absorption, conserved biosystem; Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; Glycerolipid metabolism, organism-specific biosystem;
Function	1-acylglycerol-3-phosphate O-acyltransferase activity; transferase activity, transferring acyl groups;