

Recombinant Full Length Human LPCAT4 Protein, GST-tagged

Cat. No. LPCAT4-935HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AGPAT7 full-length ORF (NP_705841.2, 1 a.a. - 524 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	524 amino acids
Description	Members of the 1-acylglycerol-3-phosphate O-acyltransferase (EC 2.3.1.51) family, such as AGPAT7, catalyze the conversion of lysophosphatidic acid (LPA) to phosphatidic acid (PA), a precursor in the biosynthesis of all glycerolipids. Both LPA and PA are involved in signal transduction (Ye et al., 2005 [PubMed 16243729]).[supplied by OMIM, May 2008]
Molecular Mass	83.6 kDa
AA Sequence	MSQGSPGDWA PLDPTPGPPA SPNPFVHELH LSRLQRVKFC LLGALLAPIR VLLAFIVLFL LWPFQWLQVA GLSEEQLQEP ITGWRKTVCH NGVLGLSRL FFLLGFLRIR VRGQRASRLQ APVLVAAPHS TFFDPIVLLP CDLPKVVSR ENLSVPVIGA LLRFNQAILV SRHDPASRRR VVEEVRRRAT SGGKWPQVLF FPEGTC SNKK ALLKFKPGAF IAGVPVQPV LIRYPNSLDTT SWAWRGPGVL KVLWLTASQP CSIVDVEFLP VYHPSPEESR DPTLYANNVQ RVMAQALGIP ATECEFGVSL PVIVVGR LKV ALEPQLWELG KVL RKAGLSA GYVDAGAEPG RSRMISQEEF ARQLQLSDPQ TVAGAFGYFQ QDTKGLVD FR DVALALAALD

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GGRSLEELTR LAFELFAEEQ AEGPNRLLYK DGFSTILHLL LGSPHPAATA
LHAELCQAGS SQGLSLCQFQ NFSLHDPLYG KLFSTYLRPP HTSRGTSQTP
NASSPGNPTA LANGTVQAPK QKGD

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

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

[LPCAT4 lysophosphatidylcholine acyltransferase 4 \[Homo sapiens \]](#)

Official Symbol

[LPCAT4](#)

Synonyms

LPCAT4; lysophosphatidylcholine acyltransferase 4; 1 acylglycerol 3 phosphate O acyltransferase 7 (lysophosphatidic acid acyltransferase, eta), acyltransferase like 3, AGPAT7, AYTL3; lysophospholipid acyltransferase LPCAT4; FLJ10257; LPAAT eta; LPEAT2; lysophosphatidylethanolamine acyltransferase 2; 1-AGPAT 7; acyltransferase like 3; acyltransferase-like 3; 1-AGP acyltransferase 7; PLSC domain containing protein; acyl-CoA:lysophosphatidylethanolamine acyltransferase 2; 1-acylglycerol-3-phosphate O-acyltransferase 7 (lysophosphatidic acid acyltransferase, eta); AYTL3; AGPAT7; LPAAT-eta

Gene ID

[254531](#)

mRNA Refseq

[NM_153613](#)

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Protein Refseq	NP_705841
MIM	612039
UniProt ID	Q643R3

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