

Recombinant Human LPCAT4 Protein, GST-tagged

Cat. No. LPCAT4-437H **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	Wheat Germ
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	MSQGSPGDWAPLDPTPGPPASPNPFVHELHLSRLQRVKFCLLGALLAPIRVLLAFIV LFLWLWPFQVAGLSEEQLQEPITGWRKTVCHNGVLGLSRLFFLLGFLRIRVRGQ RASRLQAPVLVAAPHSTFFDPIVLLPCDLPKVVSRANLSVPVIGALLRFNQAILVSRH DPASRRRVVEEVRRRATSGGKWPQVLFFPEGTCSNKKALLKFKPGAFIAGVPVQPV LIRYPNSLDTTSWAWRGPGVLKVLWLTASQPCSIVDVEFLPVYHPSPEESRDPTLYA NNVQRMVMAQALGIPATECEFGSLPVIVVGRLKVALEPQLWELGKVLKAGLSAGYV DAGAEPGRSRMISQEEFARQLQLSDPQTVAGAFGYFQQDTKGLVDVFRDVALALAAL DGGRSLEELTRLAFELFAEEQAEGPNRLLYKDGFTILHLLGSPHPAATALHAELCQ AGSSQGLSLCQFQNFSLHDPLYGKLFSTYLRPPHTSRGTSQTPNASSPGNPALAN

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	GTVQAPKQKGD
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80centigrade. 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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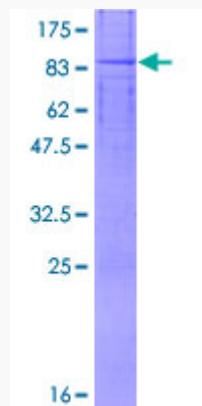
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Protein Refseq NP_705841

MIM 612039

UniProt ID Q643R3

**Quality Control
Testing:**



12.5% SDS-PAGE Stained with Coomassie Blue.

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