

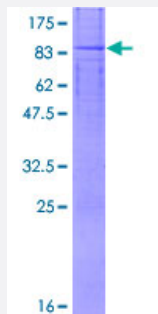
Full-Length

AGPAT7 (Human) Recombinant Protein (P01)

Catalog # H00254531-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human AGPAT7 full-length ORF (NP_705841.2, 1 a.a. - 524 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSQGSPGDWAPLDPTPGPPASPNPFVHELHLSRLQRVKFCLLGALLAPIRVLLAFIVLFLWPFA
WLQVAGLSEELQEPITGWRKTVCHNGVLGLSRLFFLLGFLRIRVRGQRASRLQAPVLVAAPHS
TFFDPIVLLPCDLPKVVSRANLSVPVIGALLRFNQAILVSRHDPASRRRVVEVRRRATSGGKW
PQVLFFPEGTC SNKKALLKFKPGAFIAGVPVQPVLI RYPNSLDTTSWAWRGPGVLKVLWLTASQP
CSVDVEFLPVYHPSPEESRDPTLYANNVQVRMAQALGIPATECEFGSLPVMVGR LKVALEPQL
WELGKVL RKAGLSAGYVDAGAEPGRSRMISQEEFARQLQLSDPQTVAGAFGYFQQDTKGLVDF
RDVALALAALDGGRSLEELTRLAFELFAEEQAEGPNRLLYKDG FSTILHLLGSPHPAATALHAEL
CQAGSSQGLSLCQFQNFSLHDP LYGKLFSTYLRPPHTSRGTSQTPNASSPGNPTALANGTVQAP
KQKGD

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

83.6

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

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.

Applications

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

Gene Info — LPCAT4

Entrez GeneID[254531](#)**GeneBank Accession#**[NM_153613.2](#)**Protein Accession#**[NP_705841.2](#)**Gene Name**

LPCAT4

Gene Alias

AGPAT7, AYTL3, FLJ10257, LPAAT-eta, LPEAT2

Gene Description

lysophosphatidylcholine acyltransferase 4

Gene Ontology[Hyperlink](#)**Gene Summary**

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]

Other Designations

1-acylglycerol-3-phosphate O-acyltransferase 7 (lysophosphatidic acid acyltransferase, eta)|PLS C domain containing protein|acyl-CoA:lysophosphatidylethanolamine acyltransferase 2|acyltransferase like 3|lysophosphatidylethanolamine acyltransferase 2