

Recombinant Human AGPAT2 Protein, GST-tagged

Cat. No. AGPAT2-428H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AGPAT2 full-length ORF (NP_006403.2, 1 a.a. - 278 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a member of the 1-acylglycerol-3-phosphate O-acyltransferase family. The protein is located within the endoplasmic reticulum membrane and converts lysophosphatidic acid to phosphatidic acid, the second step in de novo phospholipid biosynthesis. Mutations in this gene have been associated with congenital generalized lipodystrophy (CGL), or Berardinelli-Seip syndrome, a disease characterized by a near absence of adipose tissue and severe insulin resistance. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]
Molecular Mass	57.3 kDa
AA Sequence	MELWPCLA AALLLLLLLVQLSRAAEFYAKVALYCALCFTVSAVASLVCLLRHGGRTVE NMSIIGW FVRSFKYFYGLRFEVRDPRRLQEARPCVIVSNHQSILDMMLMEVLPERC VQIAKRELLFLGPVGLIMYLGGVFFINRQRSSTAMTVMADLGERMVRENKLVWIYPE GTRNDNGDLLPFKKGAFYLAVQAQVPIVPVYSSFSSFYNTKKKFFTSGTVTVQVLE AIPTSGLTAADV PALVDTCHRAMRTTFLHISKTPQENGATAGSGVQPAQ
Applications	Enzyme-linked Immunoabsorbent Assay

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	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	AGPAT2 1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase, beta) [Homo sapiens]
Official Symbol	AGPAT2
Synonyms	AGPAT2; 1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase, beta); Berardinelli Seip congenital lipodystrophy, BSCL; 1-acyl-sn-glycerol-3-phosphate acyltransferase beta; LPAAT beta; 1-AGPAT 2; 1-AGP acyltransferase 2; lysophosphatidic acid acyltransferase beta; lysophosphatidic acid acyltransferase-beta; 1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase-beta); BSCL; BSCL1; LPAAB; 1-AGPAT2; LPAAT-beta;
Gene ID	10555
mRNA Refseq	NM_001012727
Protein Refseq	NP_001012745

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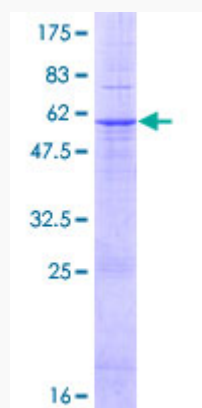
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MIM 603100

UniProt ID O15120

Quality Control
Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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