

Recombinant Full Length Human AGPAT2 Protein, GST-tagged

Cat. No. AGPAT2-930HF **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	In Vitro Cell Free System
ProteinLength	278 amino acids
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	MELWPCLAAA LLLLLLLVQL SRAAEFYAKV ALYCALCFTV SAVASLVCLL RHGGRTVENM SIIGWVRSF KYFYGLRFEV RDPRLQEAR PCVIVSNHQS ILDMMGLMEV LPERCVQIAK RELLFLGPVG LIMYLGGVFF INRQRSSTAM TVMADLGERM VRENKLVWIY PEGTRNDNGD LLPFKKGAFY LAVQAQVPIV PVVYSSFSSF YNTKKKFFTS GTVTVQVLEA IPTSGLTAAD VPALVDTCHR

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AMRTTFLHIS KTPQENGATA GSGVQPAQ

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

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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MIM	603100
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UniProt ID	O15120
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