

Recombinant Human AGPAT1 Protein, GST-tagged

Cat. No. AGPAT1-427H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AGPAT1 full-length ORF (NP_006402.1, 1 a.a. - 283 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes an enzyme that converts lysophosphatidic acid (LPA) into phosphatidic acid (PA). LPA and PA are two phospholipids involved in signal transduction and in lipid biosynthesis in cells. This enzyme localizes to the endoplasmic reticulum. This gene is located in the class III region of the human major histocompatibility complex. Alternative splicing results in two transcript variants encoding the same protein. [provided by RefSeq, Jul 2008]
Molecular Mass	58.1 kDa
AA Sequence	MDLWPGAWMLLLLLFLLLLFLLPTLWFCSPSAKYFFKMAFYNGWILFLAVLAIPVCAV RGRNVENMKILRLMLLHIKYLYGIRVEVRGAHHFPPSQPYVVVSNHQSSDLLGMME VLPGRVCPIAKRELLWAGSAGLACWLAGVIFIDRKRTGDAISMSEVAQTLLTQDVR VWVFPEGTRNHNGSMLPFKRGAFHLAVQAQVPIVPIVMSSYQDFYCKKERRFTSGQ CQVRVLPPVPTEGLTPDDVPALADRVRHSMLTVFREISTDGRGGGDYLLKKPGGGG
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production

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	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	AGPAT1 1-acylglycerol-3-phosphate O-acyltransferase 1 (lysophosphatidic acid acyltransferase, alpha) [Homo sapiens]
Official Symbol	AGPAT1
Synonyms	AGPAT1; 1-acylglycerol-3-phosphate O-acyltransferase 1 (lysophosphatidic acid acyltransferase, alpha); 1-acyl-sn-glycerol-3-phosphate acyltransferase alpha; LPAAT alpha; 1-AGPAT 1; 1-AGP acyltransferase 1; lysophospholipid acyltransferase; lysophosphatidic acid acyltransferase alpha; 1-acylglycerol-3-phosphate O-acyltransferase 1 (acetoacetyl Coenzyme A thiolase); G15; LPAATA; 1-AGPAT1; LPAAT-alpha; MGC4007; MGC5423;
Gene ID	10554
mRNA Refseq	NM_006411
Protein Refseq	NP_006402
MIM	603099
UniProt ID	Q99943

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