

Recombinant Human AGPAT4, GST-tagged

Cat. No. AGPAT4-9476H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AGPAT4 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	24-300a.a.
Description	This gene encodes a member of the 1-acylglycerol-3-phosphate O-acyltransferase family. This integral membrane protein converts lysophosphatidic acid to phosphatidic acid, the second step in de novo phospholipid biosynthesis.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	AGPAT4 1-acylglycerol-3-phosphate O-acyltransferase 4 (lysophosphatidic acid acyltransferase, delta) [Homo sapiens]
Official Symbol	AGPAT4

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Synonyms	AGPAT4; 1-acylglycerol-3-phosphate O-acyltransferase 4 (lysophosphatidic acid acyltransferase, delta); 1-acyl-sn-glycerol-3-phosphate acyltransferase delta; dJ473J16.2; LPAAT delta; 1-AGPAT 4; 1-AGP acyltransferase 4; lysophosphatidic acid acyltransferase delta; lysophosphatidic acid acyltransferase-delta (LPAAT-delta); 1-AGPAT4; LPAAT-delta; RP3-473J16.2;
Gene ID	56895
mRNA Refseq	NM_020133
Protein Refseq	NP_064518
UniProt ID	Q9NRZ5
Chromosome Location	6q25.3
Pathway	CDP-diacylglycerol biosynthesis I, organism-specific biosystem; CDP-diacylglycerol biosynthesis I, conserved biosystem; Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; Glycerolipid metabolism, organism-specific biosystem; Glycerolipid metabolism, conserved biosystem; Glycerophospholipid metabolism, organism-specific biosystem; Glycerophospholipid metabolism, conserved biosystem;
Function	1-acylglycerol-3-phosphate O-acyltransferase activity; transferase activity, transferring acyl groups;