

Recombinant Full Length Human AGPAT5 Protein, GST-tagged

Cat. No. AGPAT5-933HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human AGPAT5 full-length ORF (NP_060831.2, 1 a.a. - 364 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	364 amino acids
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. A pseudogene of this gene is present on the Y chromosome. [provided by RefSeq, Aug 2014]
Molecular Mass	68.5 kDa
AA Sequence	MLLSVLHTY SMRYLLPSVV LLGTAPTYVL AWGVWRLLSA FLPARFYQAL DDRLYCVYQS MVLFFFENYT GVQILLYGDL PKNKENIIYL ANHQSTVDWI VADILAIRQN ALGHVRYVLK EGLKWLPLYG CYFAQHGGIY VKRSAKFNEK EMRNKLQSYV DAGTPMYLVI FPEGTRYNPE QTKVLSASQA FAAQRGLAVL KHVLTPRIKA THVAFDCMKN YLDAIYDVTV VYEGKDDGGQ RRESPTMTEF LCKECPKIHI HIDRIDKKDV PEEQEHMRRW LHERFEIKDK MLIEFYESPD PERRKRFP GK SVNSKLSIKK TLPSMLILSG LTAGMLMTDA GRKLYVNTWI YGTLLGCLWV TIKA

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Applications	<p>Enzyme-linked Immunoabsorbent Assay</p> <p>Western Blot (Recombinant protein)</p> <p>Antibody Production</p> <p>Protein Array</p>
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	AGPAT5 1-acylglycerol-3-phosphate O-acyltransferase 5 (lysophosphatidic acid acyltransferase, epsilon) [Homo sapiens]
Official Symbol	AGPAT5
Synonyms	AGPAT5; 1-acylglycerol-3-phosphate O-acyltransferase 5 (lysophosphatidic acid acyltransferase, epsilon); 1-acyl-sn-glycerol-3-phosphate acyltransferase epsilon; FLJ11210; LPAAT e; LPAAT epsilon; 1-AGPAT 5; 1-AGP acyltransferase 5; lysophosphatidic acid acyltransferase epsilon; LPAATE; 1AGPAT5
Gene ID	55326
mRNA Refseq	NM_018361
Protein Refseq	NP_060831
MIM	614796
UniProt ID	Q9NUQ2

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