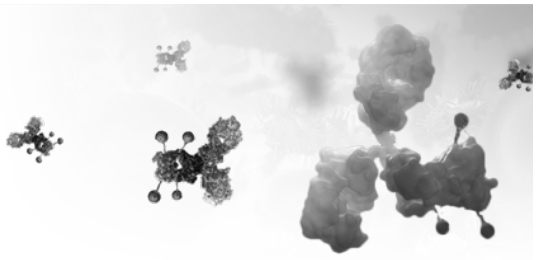

Human AGPAT6 peptide (DAG-P1351)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Lysophosphatidic acid acyltransferases (EC 2.3.1.51) catalyze the conversion of lysophosphatidic acid (LPA) to phosphatidic acid (PA). LPA and PA are involved in signal transduction and lipid biosynthesis.[supplied by OMIM, Apr 2004]
Specificity	Ubiquitous. Relatively high level of expression in skeletal muscle, heart and testis. Relatively low level of expression in lung.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the 1-acyl-sn-glycerol-3-phosphate acyltransferase family.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	AGPAT6 1-acylglycerol-3-phosphate O-acyltransferase 6 [Homo sapiens (human)]
Official Symbol	AGPAT6
Synonyms	AGPAT6; 1-acylglycerol-3-phosphate O-acyltransferase 6; LPAATZ; TSARG7; 1-AGPAT 6; LPAAT-zeta; glycerol-3-phosphate acyltransferase 6; 1-AGP acyltransferase 6; lysophosphatidic acid acyltransferase zeta; testis spermatogenesis apoptosis-related protein 7; 1-acyl-sn-glycerol-3-phosphate acyltransferase zeta; 1-acylglycerol-3-phosphate O-acyltransferase 6 (lysophosphatidic acid acyltransferase, zeta);

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Entrez Gene ID	137964
mRNA Refseq	NM_178819.3
Protein Refseq	NP_848934.1
UniProt ID	Q2TU73
Chromosome Location	8p11.21
Pathway	CDP-diacylglycerol biosynthesis I, organism-specific biosystem; Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; Glycerolipid metabolism, organism-specific biosystem; Glycerolipid metabolism, conserved biosystem; Glycerophospholipid biosynthesis, organism-specific biosystem; Glycerophospholipid metabolism, organism-specific biosystem; Glycerophospholipid metabolism, conserved biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipopro
Function	NOT 1-acylglycerol-3-phosphate O-acyltransferase activity; glycerol-3-phosphate O-acyltransferase activity;

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