

Product datasheet for **RC210304**

AGPAT1 (NM_006411) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AGPAT1 (NM_006411) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	AGPAT1
Synonyms:	1-AGPAT1; G15; LPAAT-alpha; LPAATA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC210304 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGATTTGTGGCCAGGGGCATGGATGCTGCTGCTGCTGCTCTTCTGCTGCTGCTCTTCTGCTGCCCA
CCCTGTGGTTCTGCAGCCCCAGTGCCAAGTACTTCTCAAGATGGCCTTCTACAATGGCTGGATCCTCTT
CCTGGCTGTGCTCGCCATCCCTGTGTGCGGTGCGAGGACGCAACGTCGAGAACATGAAGATCTTGCCT
CTAATGCTGCTCCACATCAAATACCTGTACGGGATCCGAGTGGAGGTGCGAGGGGCTCACCCTTCCCTC
CCTCGCAGCCCTATGTTGTTGTCTCCAACCACCAGAGCTCTCTCGATCTGCTTGGGATGATGGAGGTACT
GCCAGGCCGCTGTGTGCCATTGCCAAGCGCGAGCTACTGTGGGCTGGCTCTGCCGGGCTGGCCTGCTGG
CTGGCAGGAGTCATCTTCATCGACCCGGAAGCGCACGGGGGATGCCATCAGTGTCATGTCTGAGGTGCCCC
AGACCCTGCTCACCCAGGACGTGAGGGTCTGGGTGTTTCTGAGGGAACGAGAAACCACAATGGCTCCAT
GCTGCCCTTCAAACGTGGCGCCTTCCATCTTGCAGTGCAGGCCAGGTTCCCATTTGTCATGATGATG
TCCTCCTACCAAGACTTCTACTGCAAGAAGGAGCGTCGCTTACCTCGGGACAATGTGAGGTGCGGGTGC
TGCCCCAGTGCCACGGAAGGGCTGACACCAGATGACGTCCAGCTCTGGCTGACAGAGTCCGGCACTC
CATGCTCACTGTTTTCCGGGAAATCTCCACTGATGGCCGGGTGGTGGTACTATCTGAAGAAGCCTGGG
GGCGGTGGG

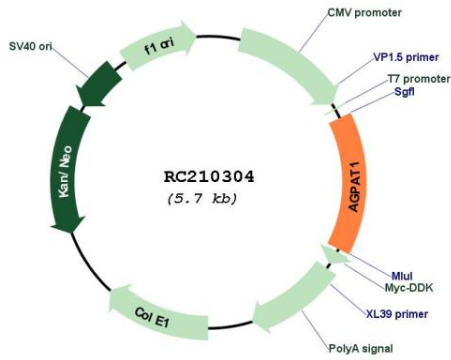
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_006411.4
RefSeq Size:	2259 bp
RefSeq ORF:	852 bp
Locus ID:	10554
UniProt ID:	Q99943
Cytogenetics:	6p21.32
Domains:	Acyltransferase
Protein Families:	Transmembrane
Protein Pathways:	Ether lipid metabolism, Glycerolipid metabolism, Glycerophospholipid metabolism, Metabolic pathways
MW:	31.7 kDa
Gene Summary:	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]

Product images:



Circular map for RC210304