

Product datasheet for **RG219126**

AGPAT3 (NM_020132) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AGPAT3 (NM_020132) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	AGPAT3
Synonyms:	1-AGPAT 3; LPAAT-GAMMA1; LPAAT3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG219126 representing NM_020132 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCCTGCTGGCCTTCTGAAGACCCAGTTCGTGCTGCACCTGCTGGTCGGCTTTGTCTTCGTGGTGA
GTGGTCTGGTCATCAACTTCGTCCAGCTGTGCACGCTGGCGCTCTGGCCGGTCAGCAAGCAGCTCTACCG
CCGCCTCAACTGCCGCTCGCTACTCACTCTGGAGCCAAGTGGTCATGCTGCTGGAGTGGTGGTCTCGC
ACGGAGGTACACTGTTACGGACCAGGCCACGGTAGAGCGCTTTGGGAAGGAGCACGCAGTCATCATCC
TCAACCACAACCTCGAGATCGACTTCTCTGTGGGTGGACCATGTGTGAGCGCTTCGGAGTCTGGGGAG
CTCCAAGGTCTCGCTAAGAAGGAGCTGCTCTACGTGCCCTCATCGGCTGGACGTGGTACTTTCTGGAG
ATTGTGTTCTGCAAGCGGAAGTGGGAGGAGGACCGGGACACCGTGGTCTGAAGGGCTGAGGCGCTGTCCG
ACTACCCCGAGTACATGTGGTTTCTCTGTACTGCGAGGGGACGCGCTTCACGGAGACCAAGCACCGCGT
TAGCATGGAGGTGGCGGCTGCTAAGGGGCTTCTGTCTCAAGTACCACCTGCTGCCGCGGACCAAGGGC
TTCACCACCGCAGTCAAGTGCCTCCGGGGACAGTCGCAGCTGTCTATGATGTAACCCTGAACTTCAGAG
GAAACAAGAACCCTCCCTGCTGGGGATCCTCTACGGGAAGAAGTACGAGGCGGACATGTGCGTGAGGAG
ATTTCTCTGGAAGACATCCCGCTGGATGAAAAGGAAGCAGCTCAGTGGCTTCATAAACTGTACCAGGAG
AAGGACCGCTCCAGGAGATATAATCAGAAGGCATGTTCCAGGGGAGCAGTTAAAGCCTGCCCGGA
GGCCGTGGACCCTCCTGAACTTCTGTCTGCGCCACCATTCTCCTGTCTCCCTCTTCAGTTTTGTCTT
GGCGCTTTTGCAGCGGATCACCTCTCTGATCTGACTTTCTTGGGGTTTGTGGGAGCAGCTTCTTTT
GGAGTTCGCAGACTGATAGGAGTAACTGAGATAGAAAAAGGCTCCAGCTACGAAACCAAGATTTAAGA
AAAAGGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG219126 representing NM_020132
 Red=Cloning site Green=Tags(s)

MGLLAFLKTQFVLHLLVGFVVFVVSGLVINFVQLCTLALWPVSKQLYRRLNCRLAYSLWSQLVMLLEWWSCTECTLFTDQATVERFGKEHAVIILNHNFEIDFLCGWTMCKERFVGLGSSKVLAKKELLYVPLIGWTWYFLEIVFCRKRWEEDRDTVVEGLRRLSDYPEYMWFLLYCEGTRFTETKHRVSMEEVAAAKGLPVLKYHLLPRTKGFTTAVKCLRGTVAAVYDVTLNFRGNKNPSLLGILYGGKYEADMCVRRFPLEDIPLDEKEAAQWLHKLYQEKDALQEIYNQKGMFPGEQFKPARRPWTLNFLSWATILLSPLFSFVLGVFASGSPLLILTLGLFVGAASFVRRRLIGVTEIEKGSSYGNQEFKKKE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_020132

ORF Size: 1128 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

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.

RefSeq: [NM_020132.5](#)

RefSeq Size: 3649 bp

RefSeq ORF: 1131 bp

Locus ID: 56894

UniProt ID: [Q9NRZ7](#)

Cytogenetics: 21q22.3

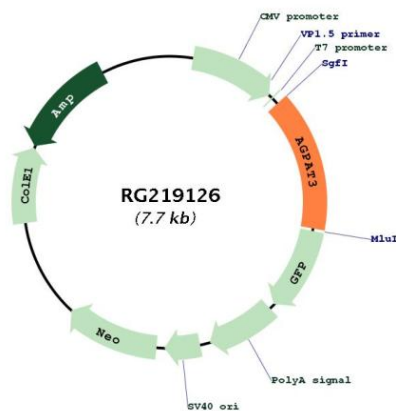
Domains: Acyltransferase

Protein Families: Transmembrane

Protein Pathways: Ether lipid metabolism, Glycerolipid metabolism, Glycerophospholipid metabolism, Metabolic pathways

Gene Summary: The protein encoded by this gene is an acyltransferase that converts lysophosphatidic acid into phosphatidic acid, which is the second step in the de novo phospholipid biosynthetic pathway. The encoded protein may be an integral membrane protein. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG219126