

Product datasheet for RC200622L3

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

AGPAT2 (NM_001012727) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: AGPAT2 (NM_001012727) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: AGPAT2

Synonyms: 1-AGPAT2; BSCL; BSCL1; LPAAB; LPAAT-beta

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC200622).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_001012727

ORF Size: 738 bp





AGPAT2 (NM_001012727) Human Tagged Lenti ORF Clone - RC200622L3

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: <u>NM 001012727.1</u>

 RefSeq Size:
 1480 bp

 RefSeq ORF:
 741 bp

 Locus ID:
 10555

 UniProt ID:
 015120

Cytogenetics:

Protein Families: Transmembrane

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

pathways

9q34.3

MW: 27.3 kDa

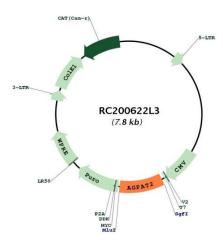
Gene Summary: This gene encodes a member of the 1-acylglycerol-3-phosphate O-acyltransferase family. The

protein is located within the endoplasmic reticulum membrane and converts

lysophosphatidic acid to phosphatidic acid, the second step in de novo phospholipid biosynthesis. Mutations in this gene have been associated with congenital generalized lipodystrophy (CGL), or Berardinelli-Seip syndrome, a disease characterized by a near absence of adipose tissue and severe insulin resistance. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]



Product images:



Circular map for RC200622L3