

## **Product datasheet for RR201426L3**

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OriGene Technologies, Inc.

## Lpcat3 (NM\_001012189) Rat Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

Product Name: Lpcat3 (NM\_001012189) Rat Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: Lpcat3

Synonyms: Grcc3f; Mboat5; Oact5

Mammalian Cell Puromycin

Selection:

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

Sgfl-Mlul

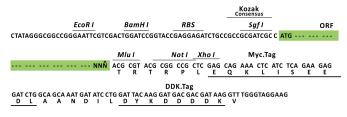
E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RR201426).

Sequence:

Restriction Sites: Cloning Scheme:





st The last codon before the Stop codon of the ORF.

**ACCN:** NM\_001012189

ORF Size: 1519 bp



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**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 001012189.1</u>

 RefSeq Size:
 1935 bp

 RefSeq ORF:
 1464 bp

 Locus ID:
 362434

 UniProt ID:
 Q5FVN0

 Cytogenetics:
 4q42

**Gene Summary:** Seems to be the major enzyme contributing to lysophosphatidylcholine acyltransferase

activity in the liver. Favors unsaturated fatty acyl-CoAs as acyl donors compared to saturated fatty acyl-CoAs. Displays lysophosphatidylserine acyltransferase (LPSAT) activity (By similarity).

[UniProtKB/Swiss-Prot Function]