

## Product datasheet for **RC200168L3V**

### Acyltransferase like 1 (LPCAT2) (NM\_017839) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Acyltransferase like 1 (LPCAT2) (NM_017839) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Acyltransferase like 1
Synonyms:	AGPAT11; AYTL1; LysoPAFAT
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_017839
ORF Size:	1632 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC200168).
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. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_017839.3</a>
RefSeq Size:	5395 bp
RefSeq ORF:	1635 bp
Locus ID:	54947
UniProt ID:	<a href="#">Q7L5N7</a>
Cytogenetics:	16q12.2
Domains:	EFh, Acyltransferase
Protein Families:	Transmembrane


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**MW:** 60.2 kDa

**Gene Summary:** This gene encodes a member of the lysophospholipid acyltransferase family. The encoded enzyme may function in two ways: to catalyze the biosynthesis of platelet-activating factor (1-O-alkyl-2-acetyl-sn-glycero-3-phosphocholine) from 1-O-alkyl-sn-glycero-3-phosphocholine, and to catalyze the synthesis of glycerophospholipid precursors from arachidonyl-CoA and lysophosphatidylcholine. The encoded protein may function in membrane biogenesis and production of platelet-activating factor in inflammatory cells. The enzyme may localize to the endoplasmic reticulum and the Golgi. [provided by RefSeq, Feb 2009]