

## Product datasheet for **RC220083L3V**

### LPCAT1 (NM\_024830) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	LPCAT1 (NM_024830) Human Tagged ORF Clone Lentiviral Particle
Symbol:	LPCAT1
Synonyms:	AGPAT9; AGPAT10; AYTL2; lpcat; LPCAT-1; lysoPAFAT; PFAAP3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_024830
ORF Size:	1602 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC220083).
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_024830.3</a>
RefSeq Size:	3994 bp
RefSeq ORF:	1605 bp
Locus ID:	79888
UniProt ID:	<a href="#">Q8NF37</a>
Cytogenetics:	5p15.33
Domains:	EFh, Acyltransferase
Protein Families:	Transmembrane

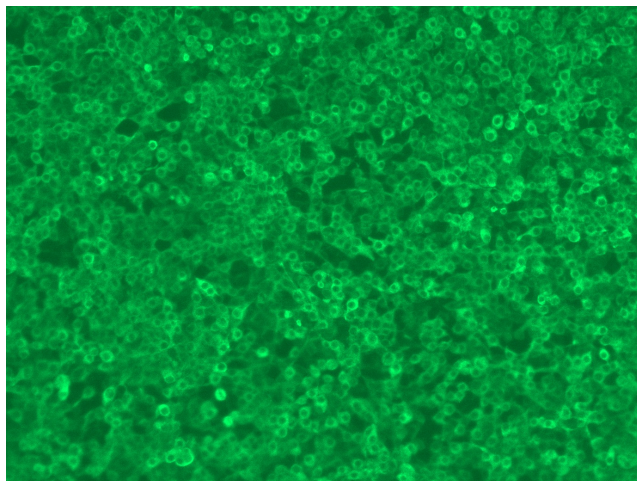


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MW: 59 kDa

**Gene Summary:** This gene encodes a member of the 1-acyl-sn-glycerol-3-phosphate acyltransferase family of proteins. The encoded enzyme plays a role in phospholipid metabolism, specifically in the conversion of lysophosphatidylcholine to phosphatidylcholine in the presence of acyl-CoA. This process is important in the synthesis of lung surfactant and platelet-activating factor (PAF). Elevated expression of this gene may contribute to the progression of oral squamous cell, prostate, breast, and other human cancers. [provided by RefSeq, Sep 2016]

**Product images:**



[RC220083L3] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC220083L3V particle to overexpress human LPCAT1-Myc-DDK fusion protein.