

## Product datasheet for **RC201257L4V**

### AGPAT1 (NM\_032741) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	AGPAT1 (NM_032741) Human Tagged ORF Clone Lentiviral Particle
Symbol:	AGPAT1
Synonyms:	1-AGPAT1; G15; LPAAT-alpha; LPAATA
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_032741
ORF Size:	849 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201257).
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_032741.4</a>
RefSeq Size:	2023 bp
RefSeq ORF:	852 bp
Locus ID:	10554
UniProt ID:	<a href="#">Q99943</a>
Cytogenetics:	6p21.32
Domains:	Acyltransferase
Protein Families:	Transmembrane



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

**MW:** 31.5 kDa

**Gene Summary:** This gene encodes an enzyme that converts lysophosphatidic acid (LPA) into phosphatidic acid (PA). LPA and PA are two phospholipids involved in signal transduction and in lipid biosynthesis in cells. This enzyme localizes to the endoplasmic reticulum. This gene is located in the class III region of the human major histocompatibility complex. Alternative splicing results in two transcript variants encoding the same protein. [provided by RefSeq, Jul 2008]