

## Product datasheet for **RC210488L4V**

### AGPAT7 (LPCAT4) (NM\_153613) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	AGPAT7 (LPCAT4) (NM_153613) Human Tagged ORF Clone Lentiviral Particle
Symbol:	AGPAT7
Synonyms:	AGPAT7; AYTL3; LPAAT-eta; LPEAT2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_153613
ORF Size:	1572 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC210488).
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_153613.2</a>
RefSeq Size:	1908 bp
RefSeq ORF:	1575 bp
Locus ID:	254531
UniProt ID:	<a href="#">Q643R3</a>
Cytogenetics:	15q14
Protein Families:	Transmembrane
MW:	57.2 kDa



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**Gene Summary:**

Members of the 1-acylglycerol-3-phosphate O-acyltransferase (EC 2.3.1.51) family, such as AGPAT7, catalyze the conversion of lysophosphatidic acid (LPA) to phosphatidic acid (PA), a precursor in the biosynthesis of all glycerolipids. Both LPA and PA are involved in signal transduction (Ye et al., 2005 [PubMed 16243729]).[supplied by OMIM, May 2008]