

## Product datasheet for RC210488L3V

## OriGene Technologies, Inc.

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## 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-Myc-DDK-P2A-Puro (PS100092)

Tag: Myc-DDK
ACCN: NM 153613

ORF Size: 1572 bp

**ORF Nucleotide** 

The ORF insert of this clone is exactly the same as(RC210488).

OTI Disclaimer:

Sequence:

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.

**RefSeg:** NM 153613.2

 RefSeq Size:
 1908 bp

 RefSeq ORF:
 1575 bp

 Locus ID:
 254531

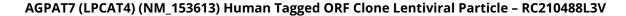
 UniProt ID:
 Q643R3

 Cytogenetics:
 15q14

**Protein Families:** Transmembrane

**MW:** 57.2 kDa







**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]