

## Product datasheet for **RC201320L4V**

### **LENG4 (MBOAT7) (NM\_024298) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	LENG4 (MBOAT7) (NM_024298) Human Tagged ORF Clone Lentiviral Particle
Symbol:	LENG4
Synonyms:	BB1; hMBOA-7; LENG4; LPIAT; LPLAT; LRC4; MBOA7; MRT57; OACT7
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_024298
ORF Size:	1416 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201320).
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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></p>
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_024298.2</a>
RefSeq Size:	2616 bp
RefSeq ORF:	1419 bp



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Locus ID: 79143

UniProt ID: [Q96N66](#)

Cytogenetics: 19q13.42

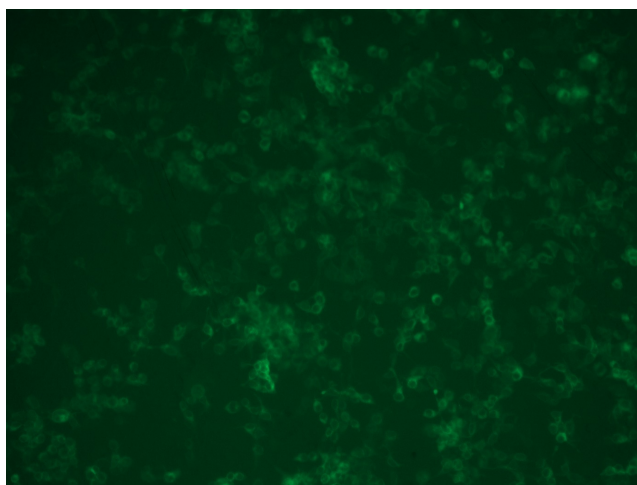
Domains: MBOAT

Protein Families: Transmembrane

MW: 52.8 kDa

**Gene Summary:** This gene encodes a member of the membrane-bound O-acyltransferases family of integral membrane proteins that have acyltransferase activity. The encoded protein is a lysophosphatidylinositol acyltransferase that has specificity for arachidonoyl-CoA as an acyl donor. This protein is involved in the reacylation of phospholipids as part of the phospholipid remodeling pathway known as the Land cycle. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2009]

### Product images:



[RC201320L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC201320L4V particle to overexpress human MBOAT7-mGFP fusion protein.