

## Product datasheet for **RC203763L3V**

### LCAT (NM\_000229) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	LCAT (NM_000229) Human Tagged ORF Clone Lentiviral Particle
Symbol:	LCAT
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_000229
ORF Size:	1320 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC203763).
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_000229.1</a>
RefSeq Size:	1354 bp
RefSeq ORF:	1323 bp
Locus ID:	3931
UniProt ID:	<a href="#">P04180</a>
Cytogenetics:	16q22.1
Domains:	LACT
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Glycerophospholipid metabolism



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**MW:** 49.6 kDa

**Gene Summary:** This gene encodes the extracellular cholesterol esterifying enzyme, lecithin-cholesterol acyltransferase. The esterification of cholesterol is required for cholesterol transport. Mutations in this gene have been found to cause fish-eye disease as well as LCAT deficiency. [provided by RefSeq, Jul 2008]