

## Product datasheet for **RC205774L3V**

### SOAT 1 (SOAT1) (NM\_003101) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	SOAT 1 (SOAT1) (NM_003101) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SOAT 1
Synonyms:	ACACT; ACAT; ACAT-1; ACAT1; SOAT; STAT
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_003101
ORF Size:	1650 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205774).
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_003101.4</a>
RefSeq Size:	6938 bp
RefSeq ORF:	1653 bp
Locus ID:	6646
UniProt ID:	<a href="#">P35610</a>
Cytogenetics:	1q25.2
Domains:	MBOAT
Protein Families:	Transmembrane



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**Protein Pathways:** Steroid biosynthesis

**MW:** 64.7 kDa

**Gene Summary:** The protein encoded by this gene belongs to the acyltransferase family. It is located in the endoplasmic reticulum, and catalyzes the formation of fatty acid-cholesterol esters. This gene has been implicated in the formation of beta-amyloid and atherosclerotic plaques by controlling the equilibrium between free cholesterol and cytoplasmic cholesteryl esters. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Nov 2011]