

## Product datasheet for **RC221302L2V**

### ACOT1 (NM\_001037161) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	ACOT1 (NM_001037161) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ACOT1
Synonyms:	ACH2; CTE-1; LACH2
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_001037161
ORF Size:	1263 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC221302).
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_001037161.1</a>
RefSeq Size:	1603 bp
RefSeq ORF:	1266 bp
Locus ID:	641371
UniProt ID:	<a href="#">Q86TX2</a>
Cytogenetics:	14q24.3
Protein Pathways:	Biosynthesis of unsaturated fatty acids
MW:	46.1 kDa



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**Gene Summary:**

Acyl-CoA thioesterases are a group of enzymes that catalyze the hydrolysis of acyl-CoAs into free fatty acids and coenzyme A (CoASH), regulating intracellular levels of acyl-CoAs, free fatty acids and CoASH. More active towards saturated and unsaturated long chain fatty acyl-CoAs (C12-C20).[UniProtKB/Swiss-Prot Function]