

## Product datasheet for **RC218001L3V**

### ACAD10 (NM\_025247) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	ACAD10 (NM_025247) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ACAD10
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_025247
ORF Size:	3177 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC218001).
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_025247.4</a>
RefSeq Size:	4031 bp
RefSeq ORF:	3180 bp
Locus ID:	80724
UniProt ID:	<a href="#">Q6JQN1</a>
Cytogenetics:	12q24.12
Domains:	APH, Acyl-CoA_dh, Acyl-CoA_dh_M
Protein Families:	Druggable Genome
MW:	118.8 kDa



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**Gene Summary:**

This gene encodes a member of the acyl-CoA dehydrogenase family of enzymes (ACADs), which participate in the beta-oxidation of fatty acids in mitochondria. The encoded enzyme contains a hydrolase domain at the N-terminal portion, a serine/threonine protein kinase catalytic domain in the central region, and a conserved ACAD domain at the C-terminus. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined. [provided by RefSeq, Nov 2008]