

## Product datasheet for **RC206624L4V**

### ACADL (NM\_001608) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	ACADL (NM_001608) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ACADL
Synonyms:	ACAD4; LCAD
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001608
ORF Size:	1290 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC206624).
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_001608.2</a>
RefSeq Size:	2497 bp
RefSeq ORF:	1293 bp
Locus ID:	33
UniProt ID:	<a href="#">P28330</a>
Cytogenetics:	2q34
Domains:	Acyl-CoA_dh, Acyl-CoA_dh_M, Acyl-CoA_dh_N
Protein Families:	Druggable Genome



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**Protein Pathways:** Fatty acid metabolism, Metabolic pathways, PPAR signaling pathway

**MW:** 47.66 kDa

**Gene Summary:** The protein encoded by this gene belongs to the acyl-CoA dehydrogenase family, which is a family of mitochondrial flavoenzymes involved in fatty acid and branched chain amino-acid metabolism. This protein is one of the four enzymes that catalyze the initial step of mitochondrial beta-oxidation of straight-chain fatty acid. Defects in this gene are the cause of long-chain acyl-CoA dehydrogenase (LCAD) deficiency, leading to nonketotic hypoglycemia. [provided by RefSeq, Jul 2008]