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Product datasheet for RC204428L4V

ACADVL (NM_000018) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	ACADVL (NM_000018) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ACADVL
Synonyms:	ACAD6; LCACD; VLCAD
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000018
ORF Size:	1965 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC204428).`
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. More info
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:	NM_000018.2
RefSeq Size:	2296 bp
RefSeq ORF:	1968 bp
Locus ID:	37
UniProt ID:	P49748
Cytogenetics:	17p13.1
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

MW: 70.4 kDa

Gene Summary: The protein encoded by this gene is targeted to the inner mitochondrial membrane where it catalyzes the first step of the mitochondrial fatty acid beta-oxidation pathway. This acyl-Coenzyme A dehydrogenase is specific to long-chain and very-long-chain fatty acids. A deficiency in this gene product reduces myocardial fatty acid beta-oxidation and is associated with cardiomyopathy. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

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