

Product datasheet for **SC127227**

ACADVL (NM_000018) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ACADVL (NM_000018) Human Untagged Clone
Tag:	Tag Free
Symbol:	ACADVL
Synonyms:	ACAD6; LCACD; VLCAD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >SC127227 representing NM_000018.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGCAGGCGGCTCGGATGGCCGCGAGCTTGGGGCGGCAGCTGCTGAGGCTCGGGGGCGGAAGCTCGCGG
CTCACGGCGCTCCTGGGCAGCCCGGCCCGCCCTGCCCGCGGCCCTATGCCGGGGTGCCGCTCAG
CTGGCTCTGGACAAGTCAGATCCCACCCCTCTGACGCTCTGACCAGAAAAACCGGCCAAGGCGGAA
TCTAAGTCCTTTGCTGTGGGAATGTTCAAAGGCCAGCTACCACAGATCAGGTGTTCCCATACCCGTCC
GTGCTCAACGAAGAGCAGACACAGTTTCTTAAAGAGCTGGTGGAGCCTGTGTCCCGTTTCTTCGAGGAA
GTGAACGATCCCGCCAAGAATGACGCTCTGGAGATGGTGGAGGAGACACTTGGCAGGGCCTCAAGGAG
CTGGGGCCCTTTGGTCTGCAAGTCCCAGTGAGCTGGTGGTGTGGCCCTTGAACACCCAGTACGCC
CGTTTGGTGGAGATCGTGGGCATGCATGACCTTGGCGTGGCATTACCCTGGGGGCCATCAGAGCATC
GGTTTCAAAGGCATCCTGCTCTTTGGCACAAAGGCCAGAAAGAAAAATACCTCCCAAGCTGGCATCT
GGGAGACTGTGGCCGCTTCTGTCTAACCGAGCCCTCAAGCGGGTCAGATGCAGCTCCATCCGAACC
TCTGCTGTGCCAGCCCTGTGGAAAATCTATACCCTCAATGGAAGCAAGCTTTGGATCAGTAATGGG
GGCCTAGCAGACATCTTACGGTCTTGGCAAGACACCAGTTACAGATCCAGCCACAGGACCGGTGAAG
GAGAAGATCACAGCTTTTGGTGGAGAGGGGCTTCGGGGCATTACCATGGGCCCCCTGAGAAGAAG
ATGGGCATCAAGGCTTCAAACACAGCAGAGGTGTTCTTTGATGGAGTACGGGTGCCATCGGAGAACGTG
CTGGGTGAGGTTGGGAGTGGCTCAAGGTTGCCATGCACATCCTCAACAATGGAAGGTTTGGCATGGCT
GCGGCCCTGGCAGTACCATGAGAGGCATATTGCTAAGCGGTAGATCATGCCACTAATCGTACCCAG
TTTGGGGAGAAAATCACAACTTTGGGCTGATCCAGGAGAAGCTGGCACGGATGGTTATGCTGCAGTAT
GTAATGAGTCCATGGCTTACATGGTGTGAGTCTAACATGGACCAGGGAGCCACGGACTTCCAGATAGAG
GCCGCCATCAGCAAAAATCTTTGGCTCGGAGGCAGCCTGGAAGGTGACAGATGAATGCATCCAAAATCATG
GGGGTATGGGCTTCATGAAGGAACCTGGAGTAGAGCGTGTGCTCCGAGATCTTCGCATCTTCCGGATC
TTTGGGGGACAAAATGACATTCTTCGGCTGTTTGTGGCTCTGCAGGGCTGTATGGACAAAGGAAAGGAG
CTCTCTGGGCTTGGCAGTGTCTAAAGAATCCCTTTGGGAATGCTGGCCTCCTGTAGGAGAGGCAGGC
AAACAGCTGAGGCGGCGGCAGGGCTGGCAGCGGCTGAGTCTCAGCGGACTTGTCCACCCGGAGTTG
AGTCGGAGTGGCAGCTGGCAGTACGGCTCTGGAGCAGTTTCCACTGTGGTGGAGGCCAAGCTGATA
AAACACAAGAAGGGGATTGTCAATGAACAGTTTCTGCTGCAGCGGCTGGCAGACGGGCCATCGACCTC
TATGCCATGGTGGTGGTCTCTCGAGGGCCTCAAGATCCCTGAGTGGGGCCACCCACGGCCAGCAT
GAGAAAATGCTCTGTGACACCTGGTGTATCGAGGCTGCAGCTCGGATCCGAGAGGGCATGGCCGCCCTG
CAGTCTGACCCCTGGCAGCAAGAGCTCTACCGAACTTCAAAGCATCTCCAAGGCTTGGTGGAGCGG
GGTGGTGTGGTACCAGCAACCCACTTGGCTTTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

Restriction Sites: SgfI-MluI

ACCN: NM_000018

Insert Size: 1968 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_000018.3
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
Protein Pathways:	Fatty acid metabolism, Metabolic pathways
MW:	70.4 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the predominant transcript and encodes isoform 1.</p>