

## Product datasheet for **RN203012**

### Acadvl (NM\_012891) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Acadvl (NM_012891) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Acadvl
Synonyms:	VLCAD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN203012 representing NM\_012891  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCAGTCGGCCGGATGACCCCGAGTGTGGGGCACAACCTGCTGCGGCTGGGGCCGAAGCTCGCGGT  
 CTGCTGCGCTTCAGGGACAACCCCGCCTACCTCTGCCAGCGACTTTATGCCAGTGAGGCCACTCAGGC  
 AGTTCTGGAAAAGCCAGAGACCCCTCCTCTGATGCTTCCACCAGAGAAAAACCTGCCAGGGCGGAATCT  
 AAGTCTTTTGTGTGGGAATGTTCAAAGGCCAGCTTACCACCGACCAGGTGTTCCCATACCCATCTGTGC  
 TCAATGAAGGACAGACACAATTTCTCAAAGAGCTGGTGGGACCAGTGGCCCGTTCTTTGAAGAAGTGAA  
 TGACCCTGCCAAGATGACTCCTTGAGAAAGTGGAGGAGGACACTTTCAGGGACTCAAAGAAGTGGGG  
 GCATTTGGTCTGCAAGTACCCAGCGAGCTGGTGGTTTGGGCTCTAATACCCAGTACGCTCGTTGG  
 CAGAGATTGTGGCATGCATGACCTTGGTGTAGCGTTACCCTGGGAGCCATCAGAGCATCGGTTTCAA  
 AGGCATCTTGCTCTATGGCACAAGGCCAGAAGGAAAAATACCTCCCCAGAGTGGCATCCGGCCAGGCT  
 TTGGCGGCTTTCTGCCTGACTGAGCCCTCGAGCGGGTCCGATGTGGCCTCTATCCGAAGCTCAGCTGTAC  
 CTAGCCCCCTGTGGAAAGTATTACTCTCAACGGAAGCAAGATCTGGATCAGTAATGGGGGTCTGGCAGA  
 CATTTTCACTGTCTTTGCCAAAACGCCAATTAAGATGCAGCCACGGGGGCCGTGAAAGAGAAGATCACA  
 GCTTTCGTAGTGGAACGGAGCTTTGGAGGGTTACCCATGGGCTCCCCGAAAAGAAGATGGGCATCAAGG  
 CATCTAACACATCAGAGGTGACTTTGATGGAGTCAAGGTGCCAGCAGAGAATGTCTAGGAGAAGTGGG  
 AGATGGCTTCAAGTTGCTGTCAACATCCTCAACAACGGAAGATTTGGGATGGTGAACCCATAGCAGGC  
 ACCATGAAAGCCATCATTGCCAAGGCGGTTGATCATGCTACTAACCGTACCCAGTTTGGGACAAAATTC  
 ACAACTTTGGGGTGATCCAGGAAAAGCTGGCTCGGATGGCTATTCTGCAGTATGTACTGATCCATGGC  
 TTACATGCTGAGTGCCAACATGGACCAGGGATTCAAAGACTTCCAGATAGAAGCTGCCATCAGCAAATC  
 TTTGGCTCGGAGGCGCCTGAAAGTGACAGATGAGTGCATCCAGATAATGGGGGCATGGGCTTCATGA  
 AGGAACCAGGGGTAGAGCGTGTCTCCGAGATATTGAAATCTTCCGGATCTTTGAAGGGACAAATGACAT  
 TCTTCGACTGTTTGTGGCTCTACAAGGCTGCATGGACAAAGGAAAGGAACTCACGGGACTTGGTAATGCC  
 CTAAGAATCCTCTTGGAAATGTTGGCCTCCTCATAGGAGAAGCAAGCAACAGCTGAGGCGGGGACAG  
 GGATTGGCAGTGGTCTGAGTCTCTCGGAATTGTCCACCAGAGTTGAGTCGCAGTGGTGAAGTGGCAGT  
 GCAGGCTCTGGAACAATTTGCCACTGTAGTGGAGGCGAAGCTGATGAAGCACAAGAAAGGGATTGTCAAT  
 GAACAGTTCCTGTGCAGCGACTGGCAGATGGAGCCATTGACCTCTACGCCATGGTGGTGGTTCTCTCCA  
 GAGCCTCAAGATCCCTGAGTGGGGCTACCCGACAGCACAGCATGAGAAAATGCTCTGTGATAGTTGGTG  
 CATTGAGGCTGCAACACGGATTCCGAAAAACATGGCCAGCCTTCAAGTCCAAACCTCAGCAGCAGGAGCTC  
 TTTCGTAACTTCAGAAGTATCTCCAAGGCCATGGTGGAGAATGGTGGCCTGGTCACCAGTAACCCCTTA  
 GAGCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_012891

**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:**

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\\_012891.2](#), [NP\\_037023.1](#)

**RefSeq Size:** 2115 bp

**RefSeq ORF:** 1968 bp

**Locus ID:** 25363

**UniProt ID:** [P45953](#)

**Cytogenetics:** 10q24

**Gene Summary:** catalyzes the beta-oxidation of long-chain fatty acids in mitochondrial fatty acid metabolism [RGD, Feb 2006]