

Product datasheet for **RN201787**

Acadl (NM_012819) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acadl (NM_012819) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Acadl
Synonyms:	ACOAD; LCAD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN201787 representing NM_012819
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTGCGCGCCTGCTCCTCCGCTCCCTTCGTGTCTGAGCGCCGCTCGGCGACTCCCGCCGCCCT
 CCGCCCGATGTTCTCATTCTGGAGCAGAAGCACGTCTAGAACTCCTTCTGCTAAAAATTAAGTATAT
 TGGAAATCAGAAGAATCTTTTCTCAGAGCATGACATTTCCGGGAGAGTGAAGGAAGTTTTTCAAGAA
 GAAGTGATTCCCTACCACGAAGAATGGGAGAAAGCCGAGAAAGTGAAGTAGAGAGCTCTGGAAAAAGCTG
 GCAAGCAAGGCCTGCTTGGCATCAACATTGCAGAGAAACATGGCGGCATCGGTGGGGACTTGTGTCAAC
 AGCAGTTACTTGGGAAGACAGCATACTCAAATTGCACAGGCCCTGGTTTCAGCCTCCATTAGATATT
 GTCATGCCCTATATTGCAAATTACGGCACAAAAGAACAGATCGAGCAGTTTATCCCCAGATGACGGCGG
 GCAAGTGATTGGTGCCATAGCCATGACAGAGCCTGGGGCTGGAAGTGACTTACAAGGAGTAAGAACAAA
 TGCCAAAAGGCTGGGAGTGATTGGATTCTCAATGGAAGCAAGGTGTTCACTAATGGCTGGTTAAGT
 GATCTCGTGATCGTAGTGCCGTACCAATCGTGAAGCTCGATCGCCCGCTCATGGCATTAGCCTCTTTT
 TGGTGGAGAATGGAATGAAAGGATTTATTAAGGGCAAGAAGCTACATAAGATGGGAATGAAAGCCAGGA
 CACAGCAGAACTATTCTTTGAAGATGTTTCGATTGCCAGCTAGTGCCTACTTGGGGAAGAGAATAAAGGC
 TTCTACTACCTCATGCAAGAGCTCCACAGGAAAGGCTTTAATTGCTGATTTGGCAATTTCTGCCTGTG
 AGTTCATGTTTGAAGAAACCAGGAACACTCGTGAGACAAAGAAAGGCTTTTGGAAAAACAGTCGCACACAT
 CCAGACTGTGCAGCACAACACTAGCAGAATTGAAGACGAACATATGTGTTACCAGAGCTTTTGTGGACAGC
 TGCTACAGCTGCATGAAACCAACGCTGGACTCCGCTCCGCTCCATGGCGAAATATTGGGCATCTG
 AATTACAAAACACTGTAGCTTATCAGTGTGTTCAACTCCATGGAGGCTGGGGTTACATGTGGGAATACCC
 GATTGCAAAAGCCTACGTGGATGCTCGAGTTCAGGCTCAGCCGATCTACGGTGGTACCAACGAAATCATGAAAGAG
 CTGATCGCAAGACAGATCGTCAGTGACAGCT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_012819
- Insert Size:** 1293 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_012819.1](#), [NP_036951.1](#)

RefSeq Size: 1451 bp
RefSeq ORF: 1293 bp
Locus ID: 25287
UniProt ID: [P15650](#)
Cytogenetics: 9q32
Gene Summary: catalyzes the alpha, beta-dehydrogenation of acyl-CoA esters in fatty acid metabolism [RGD, Feb 2006]