

Product datasheet for RN209147

Acadm (NM_016986) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acadm (NM_016986) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Acadm
Synonyms:	MCAD
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN209147 representing NM_016986 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGCAGCGCTCCGAGAGGCTACAAGGTCCTGAGAAGTGTCTCATTGAGTGTGAGCACAAC
ACACAAAACCATCTCTCAAGCAGGAGCCGGACTAGGGTTTAGCTTCGAGTTGACGGAGCAGAGAAAGA
GTTTCAAACAATTGCTCGGAAGTTTGCCAGAGAGGAAATAATCCCGGTCGCCCCAGACTACGATAAAAGC
GGGAATACCCGTTCCCTCTCATCAAGAGAGCCTGGGAACCTGGGTTGATCAACACACACATTCCGAGAG
GTTGTGGTGGTCTTGGCCTGGGAACCTTTGATGCGTGTAAATTACGGAAGAGTTGGCATATGGGTGATC
AGGGGTGCAGACTGCTATTGAAGCAAATCTTTGGGGCAAATGCCTGTGATTATTGCTGGAAATGATCAA
CAGAAGAAGAAGTATTTGGGGAGGATGACGGAGCAGCTGATGATGTGTGCCTACTGCGTGACAGAACCTT
CAGCAGGCTCTGATGTGGCGGCATTAAGACCAAAGCAGAGAAGAAGGGTGAATATGTCATCAATGG
CCAGAAGATGTGGATAACCAACGGGGAAAGGCCAACTGGTATTTGTATTGACGCGATCAACCCAGAT
CCTAAAGTACCTGCTAGTAAAGCCTTACCAGGATTCATCGTGGAGGCCGACCCCGGGAATACACATCG
GAAAAAAGGAACATAACATGGGTCAGCGGTCTCTGACACCAGAGGAATCACCTTCGAAGATGTCAGAGT
GCCTAAGGAAAAATGTGTTAATTGGTGAAGGAGCAGGTTTCAAGATTGCAATGGGGGCTTTTGATAGAACC
AGGCCGACGCTCGCAGCTGGTGTGTCGGGCTAGCCAGAGAGCCTGGACGAAGCTACTAAGTATGCC
TGGACAGGAAAACATTTGGAAAGCTGCTAGTGGAGCACCAAGGAGTTTCAATTTCTGCTCGCAGAAATGGC
GATGAAAGTTGAACTGGCCAGACTCAGTTACCAGCAGCAGCCTGGGAGGTTGACTCCGCGCCCGGAAC
ACGTAATTTGCCTCTATTGCGAAGGCTTTGCTGGAGATATTGCCAACCGCTCGCTACCGATGCTGTGC
AGATTTTCGGAGGCTATGGATCAACACTGAGTACCCAGTAGAAAAGCTGATGCGGGACGCCAAGATCTA
TCAGATTTACGAAGGTAAGTGCACAAATTCAGAGGCTGATCATAGCTCGTGAGCACATTGAAAAGTATAAA
AAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_016986
Insert Size:	1266 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_016986.2 , NP_058682.2
RefSeq Size:	1954 bp
RefSeq ORF:	1266 bp
Locus ID:	24158
UniProt ID:	P08503
Cytogenetics:	2q45
Gene Summary:	catalyzes the alpha, beta-dehydrogenation of acyl-CoA esters in fatty acid metabolism [RGD, Feb 2006]