

## Product datasheet for **RN204836**

### **Acad11 (NM\_001108181) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Acad11 (NM_001108181) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Acad11
Synonyms:	RGD1306270
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN204836 representing NM\_001108181  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGATGGATGTCACCAGGGACACCGTGAAGTGTACCCAGCACAAAGTTCGACATCAGGTCCTAG  
 AGGCTACCTGAATCAGCACTTGCCCGGCTTGGGTGAGATCACCAGGCTGTGCTGACTGTTACTCAATA  
 CAGATCAGGACAGTCGAACCCAACCTTTTTTCTCCAGAAAGGCTCACAAGCATACGTTCTCAGGAAGAAA  
 CCACCCGGCTCTCTTCTCCAAAGCGCATAAGATTGATAGAGAATTCAGGTCCAGAAAGCCTTGT  
 CCGTTGGATTTCTGTTCCCAAGCCTCTGCTGACTGCAGCAATGCTTCCATTATCGGAACGGAATTTA  
 TGTGATGGAACATGTGCAGGGTCGGATCTTCCGTGACTTTCCATTCTGGAGTTAGCCAGCAGAACGT  
 GCAGCTATATATGTGCTTTGGTAGAAACCTGGCATGGCTACACTCTCTGGATATACACTACTGGGAC  
 TGGACAGATACGGTACCGGAGTCGGTACTGCAAAGGCAGGTGCCACCTGGACAAAGCAGTACCAGGC  
 CTCGCCCATCAGAGCATCCCTGCCATGGACCACTCTCCACATGGCTAATGAGGAACCTGCCAGATAGC  
 GACAATGAGGAGTGCCTGGTTCATGGAGATTTCAAGCTGGACAACATAGTTTTCCACCCAAAGAGTGC  
 GGGTTATAGCAGTGTGGACTGGGAGCTCTCGACCTTCGGCCATCCTTTGTCAGACCTAGCCCATCTTTC  
 CTGTTTTACTTTGGCCCCGACACTGCCCATGATAAATCGAGGCTCTCACATTCAGAGAACACAGGA  
 ATACCATTGATGGAAGAAGTGAATTTCTATATACTGCCGTCGACAGGGGAATTGATCCTAATCTCCCTA  
 GGAATTTCTTTATGGCCCTTTCATTTTTAAATGGCTGGAATAGCACAGGGGTCTACAGTAGATACCT  
 CATGGGAAATAACTCATCTGAGGATAGCTTCTCACTGCCAATACTGTGCAGCCTCTGGCAGAACTGGA  
 TTACAGCTGTCAAGAAGAACTCTCAGTACTGTACCACCACAGGCTGACGCAAAAAGCCGGCTGTTTGCAC  
 AGACAGGAGAGGCCAGGAAGTTCCTACTAGGGTGAAGCAGTTCATGAAGCAGCATGCTTTCTCCTGTA  
 AAAGGAAGTAGCTGAATACTATGCTCAAAATGGAACTCAGCGGAAAAGTGGGAGCACCCCTTAGTGATT  
 GAAAAACTAAAGGAAATGGCCAAAGCAGAGGGCTGTGGAACCTGTTCTTGCCTGCTGTGAGCGGTCTCA  
 GCCAGGTGGACTATGCCTTGATTGCTGAAGAGACAGGAAATGCTTTTTCGCTCCAGATGTTTTAACTG  
 CCAAGCACCAGACACAGGCAACATGGAGGTAACACCTGTACGGCAGCGAGCAGCAGAAGCAGCAGTGG  
 CTGAGGCTCTCCTGCGTGGCGATACACCTCCGTCTTCTGTATGACAGAGCCCAACGTCTCATCAAGCG  
 ATGCCACAACATGGAGTGTAGCATCCAGAGAGATGGCGGTAGCTACATAGTTCATGGCAAGAAGTGGT  
 GAGCAGCGGAGCTGGGAATCCCAAGTCAAAATCGCAGTTGTCTTGGGAAGAACGGAGTCTCCCTCTGTA  
 TCCAGACACAAAGTGCACAGCATGATCCTGTGCCGATGGACACCCTGGAGTAGAGTTAATAAGGCCTT  
 TGTCCGGTTCGCTACATGGACAATGTGCATGGCGGACACTGGGAGGTCCATTTAATCACGTAGTGT  
 TCCCGCCAGCAATTAATATTGGGTGAAGGCAGGGCTTTGAAATTTCCAAGGCCGCTTGGACCCGGA  
 AGAATCCACCACTGTATGAGATCCGTGGCTTGGCAGAACGCATTCTGCAGATCATGTGTGACCGGGCAG  
 TGCAGAGGGAGGCTTCGGGAAGAAGCTCTATGAGCATGAAGTCGTGGCTCACTGGATTGCTAAAAGCCG  
 TATTGCCATTGAGGAGATCCGCTTACTGACCTTCAAAGCCGCTCACAGCATAGATACTCTGGCAGTGCC  
 GCAGCCAGGAAGGAGATTGCAATGATCAAAGTGGCCGCCCAAGCCGCTGCAAAATAGCTGACCGGG  
 CCATCCAGGTGCACGGAGGCGCGGGGTTCCAGGATTACCCTCTGGCTAACATGTATGCCATCATACG  
 CACCCTGCGCTTGGCAGACGGTCTGACGAAGTCCATCTCTCAGCAATTGCCAAAATGGAGCTTCAGGAC  
 CAAGCCAGGCAGTTGAAAGCCCGGAT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001108181  
**Insert Size:** 2340 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001108181.1</a></u> , <u><a href="#">NP_001101651.1</a></u>
<b>RefSeq Size:</b>	3449 bp
<b>RefSeq ORF:</b>	2340 bp
<b>Locus ID:</b>	315973
<b>UniProt ID:</b>	<u><a href="#">B3DMA2</a></u>
<b>Cytogenetics:</b>	8q32
<b>Gene Summary:</b>	Acyl-CoA dehydrogenase, that exhibits maximal activity towards saturated C22-CoA. [UniProtKB/Swiss-Prot Function]