

Product datasheet for **RR204836**

Acad11 (NM_001108181) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>RR204836 representing NM_001108181
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGATGGATGTCACCAGGGACACCGTGAAGTGTACCCAGCACAAAGTTCGACATCAGGTCCTAG
 AGGCTACCTGAATCAGCACTTGCCCGGCTTTGGGTGAGATCACCGGGCTGTGCTGACTGTTACTCAATA
 CAGATCAGGACAGTCGAACCCAACCTTTTTTCTCCAGAAAGGCTCACAAGCATACGTTCTCAGGAAGAAA
 CCACCCGGCTCTCTTCTCCAAAGCGCATAAGATTGATAGAGAATTCAGGTCCAGAAAGCCTTGT
 CCGTTGGATTTCTGTTCCCAAGCCTCTGCTGACTGCAGCAATGCTTCCATTATCGGAACGGAATTTTA
 TGTGATGGAACATGTGCAGGGTCGGATCTTCCGTGACTTTCCATTCTGGAGTTAGCCAGCAGAACGT
 GCAGCTATATATGTGCTTTGGTAGAAACCCTGGCATGGCTACACTCTCTGGATATACACTACTGGGAC
 TGGACAGATACGGTACCGGAGTCGGTACTGCAAAGGCAGGTGCCACCTGGACAAAGCAGTACCAGGC
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 GACAATGAGGAGTGCCTGGTTATGAGATTTCAAGCTGGACAACATAGTTTTCCACCCAAAGAGTGT
 GGGTTATAGCAGTGTGGACTGGGAGCTCTCGACCTTCGGCCATCCTTTGTGAGCCTAGCCCATCTTTC
 CTGTTTTACTTTTGGCCCCGACACTGCCCATGATAAATCGAGGCTCTCACATTCAGAGAACACAGGA
 ATACCATGATGGAAGAAGTGAATTTCTATATACTGCCGTCGACAGGGGAATTGATCCTAATCTCCCTA
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 AAAGGAAGTAGCTGAATACTATGCTCAAAATGGAACTCAGCGGAAAAGTGGGAGCACCCCTTAGTGATT
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 ATGCCACAACATGGAGTGTAGCATCCAGAGAGATGGCGGTAGCTACATAGTTTCATGGCAAGAAGTGGT
 GAGCAGCGGAGCTGGGAATCCCAAGTGCAAAATCGCAGTTGCTTGGGAAGAACGGAGTCTCCCTCTGTA
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 CACCCTGCGCTTGGCAGACGGTCTGACGAAGTCCATCTCAGCAATTGCCAAAATGGAGCTTCAGGAC
 CAAGCCAGGCAGTTGAAAGCCCGGATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR204836 representing NM_001108181
 Red=Cloning site Green=Tags(s)

MEMDVTRDTEVELPQHKFDIRSLEAYLNQHLPGFGSDHRAVLTVTQYRSGQSNPTFFLQKGSQAYVLRKK
 PPGSLLPKAHKIDREFKVQKALFSVGFVPKPLL YCSNASIIGTEFYVMEHVQGRIFRDFSIPGVSPAER
 AAIYVSLVETLAWLHSLDIHSLGLDRYGTGVGYCKRQVSTWTKQYQASAHQSIPAMDQLSTWLMRNL PDS
 DNEECLVHGDFKLDNIVFHPKECRVIAVLDWELSTFGHPLSDL AHL SLFYFWPRTLPMINRGSHIQENTG
 IPLMEELISIIYCRRRGIDPNLPNWNFMALSF FKLAGIAQGVYSRYLMGNNSSEDSFLTANTVQPLAETG
 LQLSRRTLSTVPPQADAKSRLFAQSRRGQEV LTRVKQFMKQHVFP AEKEVAEYQAQNGNSAEKWEHPLVI
 EKLKEMAKAEGLWNLFLPAVSGLSQVDYALIAEETGKCF FAPDVFNCQAPDTGNMEVLHL YGSEQKQW
 LEPLLRGDI TSVFCMTEPNVSSDATNMECSIQRDGGSYIVHGK KWWSSGAGNPKCKIAVVLGRTEPSV
 SRHKVHSMILVPM DTPGVELIRPLSVFGYMDNVHGGHWEVHFNHVRVPASNLILGEGRGFEISQRLGPG
 RIHHCMRSVGLAERILQIMCDRAVQREAFGK KLYEHEVVAHWIAKSRIAIEEIRLLTLKAHSIDLGSA
 AARKEIAMIKVAAPKAVCKIADRAIQVHGGAGVSQDYPLANMYA IIRTLRLADGPDEVHLSAIKME LQD
 QARQLKARM

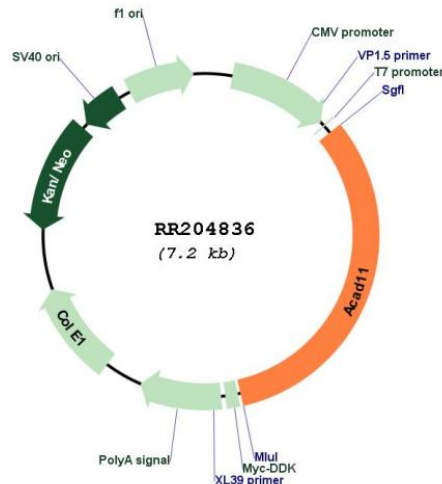
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfi-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001108181

ORF Size: 2337 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001108181.1](#), [NP_001101651.1](#)

RefSeq Size: 3449 bp

RefSeq ORF: 2340 bp

Locus ID: 315973

UniProt ID: [B3DMA2](#)

Cytogenetics: 8q32

MW: 87.4 kDa

Gene Summary: Acyl-CoA dehydrogenase, that exhibits maximal activity towards saturated C22-CoA.
[UniProtKB/Swiss-Prot Function]