

Product datasheet for **MR220661**

Acad11 (NM_175324) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acad11 (NM_175324) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Acad11
Synonyms:	5730439E10Rik; AI987948
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR220661 representing NM_175324
 Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGGATCGCCGGCGC
 GCC

ATGGAGACGGATGTCACCAGTGACACCGTGAAGTGTACCCAGCACAAAGTTCGACCTCAGTCCCTGG
 AGGCTACCTGAATCAGCACTTGCCGGGCTTTGGGTGAGATCCCGGGCTGTGCTGACTGTTACTCAATA
 CAGATCAGGACAGTCAAACCCAACCTTCTTCTCCAGAAAAGGATCTCAAGCCTATGTTCTCAGGAAGAAA
 CCACCCGGCTCTCTTCTCCAAAGCACATAAGATTGACAGAGAATTCAAGATCCAGAAAGCCTTGT
 CCATTGGATTTCTGTTGCCAAGCCCTGCTATACTGCAGAGATGCTTCAGTTATCGGAACGGAATTTTA
 TGTAATGGAACATGTGCAGGGTCGGATCTTTCGTGATTTTTCCATTCTGGAGTTAGCTCAGCAGAACGT
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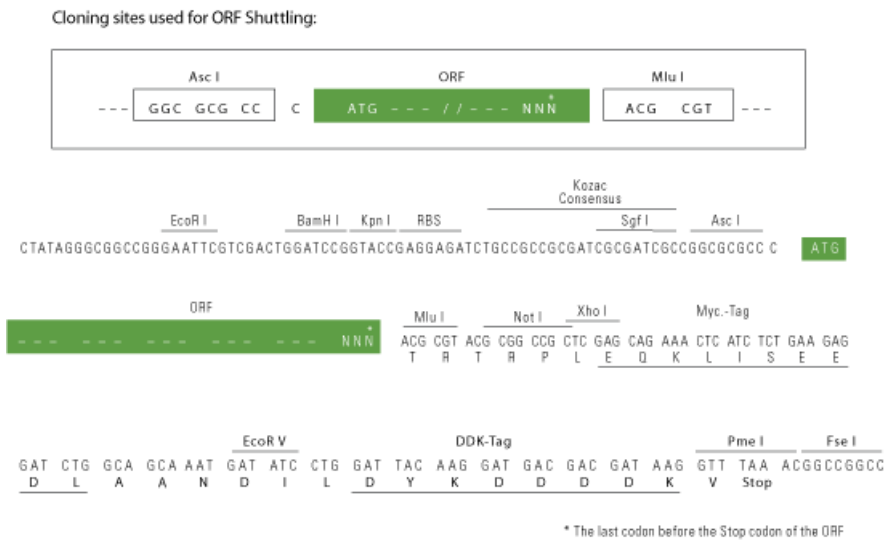
Protein Sequence: >MR220661 representing NM_175324
Red=Cloning site Green=Tags(s)

METDVTSDTVEVLPQHKFDLRSLEAYLNQHLPGFGSDSRAVLTVTQYRSGQSNPTFFLQKGSQAYVLRKK
PPGSLLPKAHKIDREFKIQKALFSIGFPVAKPLLYCRDASVIGTEFYVMEHVQGRIFRDFSIPGVSSAER
AAIYVVAETLAWLHSLDIRSLKLDKYGTGVGYCKRQVSTWTKQYQASAHQSIPAMDQLSTWLMKNLPDS
DSEECLVHGDFKLDNIVFHPKECRVIAVLDWELSTFGHPLTDLAHLSLFYWPRTLPMINRGSHIPENTG
IPLMEELISIYCHRRGIDPNLPNWNFFMALSFKLAGISQGVYRRYLMGNNSSEDSFLTANTVQPLAETG
LQLSKRTLRTTPQADAKSQLFAQSRRGQEVLTRVKQFMKQHVFPAEKEVAEYQAQSGNSAEKWGHPLVI
EKLKEIAKAEGLWNLFLPAVSGLSQVDYALIAEETGKCFAPDVFNCQAPDTGNMEVLHLYGSEQQKKQW
LEPLLRGDITSVFCMTEPNVSSDATNIECTIQRDGGYIVNGKWWSSGAGNPKCKIAIVLGRTEPSA
SRHRQHSMLVPMDTPGVELIRPLSVFGYMDNMHGGHWEVHFNHVRVPASNILGEGRGFEISQGRLGPG
RIHHCMRTVGLAERILQIMCDRAVQREAFKKLYEHEVVAHWIAKSRIAIEEIRLLTLKAAHSIDLGSA
SARKEIAMIKVAAPKAVCKIADWAIQVHGGAGVSQDYPLANMYAIIRTLRLADGPDEVHLSAIKMEQLD
QARRLTARM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9097_c11.zip

Restriction Sites: AscI-MluI

Cloning Scheme:


ACCN: NM_175324

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_175324.4](#)

RefSeq Size: 3348 bp

RefSeq ORF: 2340 bp

Locus ID: 102632

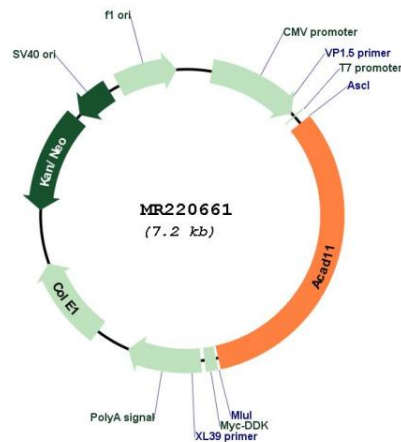
UniProt ID: [Q80XL6](#)

Cytogenetics: 9 F1

MW: 87.3 kDa

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

Product images:



Circular map for MR220661