

Product datasheet for **MR206761**

Acaa1b (NM_146230) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acaa1b (NM_146230) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Acaa1b
Synonyms:	MGC29978
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR206761 representing NM_146230
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCATCGGCTGCAGGTAGTGCTGGGTACCTGGCCGGCCGGCCGAGTCGAGCTCCGCGCTGCAAGCTG
 CGCCCTGCTCCGCTGGCTTCTGCAGGCCTCGGCCTCCGACGTGGTGGTGGTGCACGGACGGCGCACTCC
 CATTGGCCGCGCCAGCCGTGGCTGCTTCAAGGACACACCCCGACGAGTTCTGTGCGCCGTGTTGACC
 GCGGTTCTCCAGGACGTGAAGCTAAAGCCTGAGCAGCTGGGAGACATCTCCGTGGCAATGTGCTTCAGC
 CCGGGGCTGGAGCCATTATGGCACGCATCGCCAGTTCCTGAGCGGCATCCAGAGACTGTACCTTTGTC
 TACGGTCAACAGACAGTGTTCATCGGGACTGCAGGCAGTGGCCAACTTGTGCTGGCATCAGAAATGGG
 TCTTATGACATTGGCATGGCCTGTGGGTGGAGTCCATGACCCTGTCCAGAGAGGGAACCATGGGAATA
 TTTCTTCCGCTGCTGGAGAACGAGAAGGCCAGAGACTGCCTGATTCTATGGGGATAACTTCGGAGAA
 TGTGGCTGAGCGTTTGGCGTTTACGGCAGAAGCAGGATGCCTTTGCGCTGGCCTCCAGCAGAAGGCA
 GCAAGCGCCAGAGCAGAGGATGCTTCCATGCTGAGATTGTGCCTGTGACAACCACTGTCTGAATGACA
 AGGGTGACAAGAAAACCATCACTGTGTCTCAGGATGAGGGTGTCCGCCCCAGCACCACTGCAGGGCCT
 GGCCAAGCTGAAGCTGCCTTCAAGGATGGAGGCTCTACCACGGCTGAAACTCCAGTCAGGTGAGTGAT
 GGAGCAGCTGCCGTCTGCTGGCTCGGAGGTCCAAGGCTGAAGAACTGGGCCTCCCCATCCTTGGGGTCC
 TGAGGTCTATGCAGTGGTGGGGTCCCTCCTGACGTATGGGCATCGGACCTGCCTATGCCATCCCTGC
 AGCCTTGCAAGAGCAGGGCTGACTGTGAATGACATAGACATCTTTGAGATCAATGAGGCCTTTGCAAGT
 CAGGCCGTCTACTGTGTGGAGAAGTTAGGAATTCCTGCAGAGAAGGTGAACCCGCTGGGGGTGCAATAG
 CCCTGGGCCACCCCTGGGCTGCACGGGAGCAAGGCAGTTGTACGCTACTCAATGAATGAAGCGCCG
 TGGCAGACGGGCTTACGGCGTGGTATCCATGTGCATCGGACTGGGATGGGAGCTGCTGCGGTCTTTGAA
 TACCCTGGGAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206761 representing NM_146230
 Red=Cloning site Green=Tags(s)

MHRLQVVLGHLAGRPESSSALQAAPCSAGFLQASASDVVVVHGRRTPIGRASRGCFKDTTPDELLSAVLT
 AVLQDVKLKPEQLGDISVGNVLQPGAGAIMARIAQFLSGIPETVPLSTVNRQCSSGLQAVANIAGGIRNG
 SYDIGMACGVESMTLSQRGNHGNISSRLLENEKARDCLIPMGITSENAERFGVSRQKQDAFALASQQA
 ASQSRGCFHAEIVPVTTLVNDKGDKKTITVSQDEGVRPSTTMQGLAKLKPAFKDGGSTTAGNSSQVSD
 GAAAVLLARRSKAEELGLPILGVLSYAVVGVPPDVMGIGPAYAIPAALQKAGLTVNDIDIFEINEAFAS
 QAVYCVKELGIPAENVPLGGIALGHPLGCTGARQVVTLNLKRRRRRAYGVVSMCIGTMGAAAVFE
 YPGN

TRTRPLE**QKLISEEDLAANDILDYKDDDDKV**

Chromatograms:

https://cdn.origene.com/chromatograms/mm9082_b08.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_146230

ORF Size: 1272 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_146230.3](#), [NP_666342.1](#)

RefSeq Size: 1669 bp

RefSeq ORF: 1275 bp

Locus ID: 235674

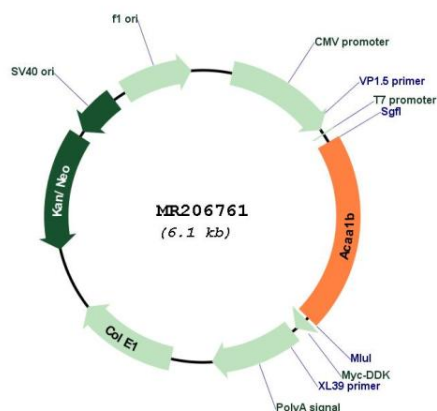
UniProt ID: [Q8VCH0](#)

Cytogenetics: 9 F3

MW: 44 kDa

Gene Summary: Responsible for the thiolytic cleavage of straight chain 3-oxoacyl-CoAs. Catalyzes the cleavage of short, medium and long straight chain 3-oxoacyl-CoAs, medium chain 3-oxoacyl-CoAs being the best substrates.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206761