

Product datasheet for MC212265

Acaa1a (NM_130864) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Acaa1a (NM_130864) Mouse Untagged Clone
Tag: Tag Free
Symbol: Acaa1a
Synonyms: Acaa; Acaa1; D9Ertd25e; PTL
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC212265 representing NM_130864
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCATCGGCTGCAGGTAGTGCTGGGCCACCTGGCCGGCCGGCCCGAGTCGAGCTCCGCGCTGCAAGCTG
 CGCCCTGCTCCGCTAGGTTCCCGCAGGCCTCGGCTCCGACGTGGTGGTGCACGGACGGCGCACCCC
 CATCGGCCGCGCCAGCCGTGGAGGCTTCAAGAACCACCCCGACGAGCTTCTGTCCGCGGTGTTGACC
 GCGGTTCTCCAGGACGTGAGGCTAAAGCCTGAGCAGCTGGGAGACATCTCCGTGGCAATGTTCTTGAGC
 CAGGAGCCGGGGCTGTCATGGCACGCATCGCCCAATTTCTGAGCGGCATCCCAGAGACTGTACCTTTGTC
 TACGGTCAACAGACAGTGTTCATCGGGACTGCAGGCAGTGGCCAACATTGCTGGTGGCATCAGAAATGGG
 TCTTATGACATTGGCATGGCCTGTGGGTGGAGTCCATGTCCCTGTCTGGGATGGGGAACCCCTGGGAATA
 TCTTCCCGCCTGTGGAGAGTGAGAAAGCCAGAGACTGCCTGACTCCTATGGGGATGACCTCGGAGAA
 TGTGGCTGAGCGGTTTGGCATTTCACGGCAGAAGCAGGATGACTTTGCGCTGGCCTCCAGCAGAAGGCA
 GCAAGCGCCAGAGCAGAGGATGCTTCCGTGCTGAGATTGTCCCTGTGACAACCAGTCTCCTGGATGACA
 AGGGTGACAAGAAAACCATCACCGTGTCTCAGGATGAGGGTGTCCGTCCAGCACCACCATGACGGCCT
 GGCCAAGCTGAAGCCTGCCTTCAAGGATGGAGGCTCTACCACGGCTGAAACTCCAGTCAGGTGAGTGAT
 GGAGCAGTGCCTGCTGCTGGCTCGGAGTCCAAAGGCTGAAGAACTGGGCCTCCCCATCCTTGGGGTCC
 TGAGGTCTATGCAGTGGTCCGGGTCCCTCCTGACGTCATGGGCATCGGACCTGCCTATGCCATCCCTGC
 AGCCTTGAGAAAGCAGGGCTGACTGTGAATGACATAGACATCTTTGAGATCAATGAGGCCTTTGCAAGT
 CAGGCCGTCTACTGTGTGGAGAAGCTAGGAATTCCTGCAGAGAAGGTGAACCCGCTGGGGGTGCAATAG
 CCCTGGGCCACCCCTGGGCTGCACGGGAGCAAGGCAGGTTGTCACGCTACTCAATGAATGAAGCGTGC
 TGGCAGACGGGCTTACGGCGTGGTGTCCATGTGCATCGGACTGGGATGGGAGCTGCTGCGGTCTTTGAA
 TACCCTGGGAAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_130864
Insert Size:	1275 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:	<u>NM_130864.3</u> , <u>NP_570934.1</u>
RefSeq Size:	1758 bp
RefSeq ORF:	1275 bp
Locus ID:	113868
UniProt ID:	<u>Q921H8</u>
Cytogenetics:	9 71.33 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>