

Product datasheet for **MC219373**

Acot11 (NM_025590) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acot11 (NM_025590) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Acot11
Synonyms:	1110020M10Rik; 2010309H15Rik; AW060409; BFIT; BFIT1; mKIAA0707; Thea; Them1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC219373 representing NM_025590
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGATTCAAGATGTGGGCAACCCTTGGCAAGGGGCTTCGCCTCTATGTTCTCTAATCGCACATCCCGGA
 AGTCAATCTCCATCCGGAGTCTGGAGACCCTCCTACCATGGCAGAGGGTGAAGGATACCGGAACCCAC
 GGAGGTGCAGATGAGCCAGCTGGTACTGCCCTGCCACACCAACCACCGTGGGGAGCTGAGCATTGGACAG
 TTGCTCAAGTGGATCGACACCACAGCCTGCCTATCAGCGGAGAGGCATGCTGGCTGTCCCTGCGTCACAG
 CCTCTATGGATGACATCTACTTCGACCATACCATTAGTGTGGCCAAAGTGGTGAATATCAAGGCCAAGGT
 GAACCGGGCCTTCAACTCCAGCATGGAGGTGGGAATCCAGGTGGTCTCTGAGGATCTGTGCTCTGAGAAG
 CAGTGGAGTGTCTGCAAGGCCTTGGCCACCTTTGTGGCCACCGGGAGCTCTCAAGGTGAAGCTGAAGC
 AGGTCATCCATTGACCGAGGAGGAGAAGACTGAACATGGGGTGGCGCTGAGCGCCGGCGTATGCGACT
 GGTCTATGCAGACACCATCAAAGATCTCCTAACCCACTGTGTATCCAGGACGATTTGGACAAGGACTGC
 AGCAATATGGTGGCAGCCGAGAAGACCCGAGTGGAGAGTGTGGAGCTGGTGTGCTCCTCACGCCAATC
 ATCAGGGCAATACCTTCGGGGGACAGATCATGGCTTGGATGGAGAATGTGGCCACCATTGCAGCCAGCCG
 GCTCTGTACGCCACCCTACGCTCAAGGCCATCGAGATGTTCCATTTCCGAGGCCCGTCTCAGGTGGGG
 GACCGTCTGGTGTCAAGGCCATCGTGAATAACGCCTTTAAGCACAGCATGGAGGTGGGTGTGTGTGTGG
 AGGCGTACCGCCAGGAAGCTGAGACCCAGCGCCGGCACATCAACAGCGCCTTCATGACCTTCGTGGTCTCT
 GGACAAAGATGACCAGCCTCAGAAGCTGCCCTGGATTCTGCCAGCCTGGAGAGGGTGAACGGCGATAC
 CGAGAAGCCAGTCCAGGAAGAAGATCCGCCTGGACAGGAAATACCTTGTGTCTGTAAGCAGGCAGAAG
 TGGCCCTGTCTGTCCCTGGGACCCTAGCAACCAGGTATACCTGAGCTACTACAACGTGCTCTCTGAA
 GACGCTCATGGCCAAGGACAACCTGGGTGTGTCCGTGGAGATCAGCGAGGTCCGCCTGTACATCCTAGAA
 GAGGACTTCTCTCTTTCACTTGGAGATGGTGGTAAATGTGGATGCCGCCAGGTCTTTAGCTGCTGT
 CAGACCTGCGCAGGAGACCAGAGTGGGACAAGCATTACCGGAGTGTGGAGCTGGTGCAGCAAGTGGATGA
 GGATGACGCCATCTACCACGTATCAGCCCCGCCCTGAGCGGGAACACCAAGCCCCAGGACTTTGTGATC
 CTGGCCTTAGGGCGAAGCCTTGTGACAATGGGGACCCCTATGTCATTGCCCTGAGGTCCGTACAGCTGC
 CCACGCACCATGAGACACCGGAATACCAACGTGGGGAGACTCTCTGTTCCAGGCTTCTGTCTGTGGCGTGA
 GGGGGACCAGATGACTAAGTTTTCTACTACAACCAGGCCACCCCGGCTTTCTCAACTATGTGACCACC
 AATGTGTCCGGCCTGTCTCAGAATTCTACAACACTTTCAAGGCTTGTGAGAGTTTTCTGTTGGACAACC
 GGAAATGACCTAGCTCCAGCCTCCAGACCCT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_025590

Insert Size: 1785 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:

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_025590.4](#), [NP_079866.2](#)

RefSeq Size: 5668 bp

RefSeq ORF: 1785 bp

Locus ID: 329910

UniProt ID: [Q8VHQ9](#)

Cytogenetics: 4 C7

Gene Summary: Has an acyl-CoA thioesterase activity with a preference for the long chain fatty acyl-CoA thioesters hexadecanoyl-CoA/palmitoyl-CoA and tetradecanoyl-CoA/myristoyl-CoA which are the main substrates in the mitochondrial beta-oxidation pathway.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (2) has a shorter and distinct N-terminus compared to variant 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.