

Product datasheet for MC202249

Acot1 (NM_012006) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Acot1 (NM_012006) Mouse Untagged Clone
Tag: Tag Free
Symbol: Acot1
Synonyms: ACH2; CTE-1; CTE-I; Cte1; D12Ucla1
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC028261 sequence for NM_012006
 CCACGCGTCCGGCTCGAGATGGAGGCGACGCTGAACCTTGAGCCCTCGGGCCGACGTGCTGGGACGAAC
 CGCTGAGCATCGCCGTGCGCGGCTGGCCCCGGAGCAGCCGTCACGCTGCGCTCTGTCTGCGCGACGA
 GAAGGGCGCGCTCTCCGAGCCACGCGGCTACCGCGGACTCCCACGCGAGCTGGACCTGGCGCGC
 ACGCCCCGCGTGGGCGGAGCTTCTCGGGCTCGAGCCATGGGCTGCTCTGGGCCATGGAGCCCGATC
 GGCTTTTTGGCGATTGGTCAAGCGCGACGTGCAGACGCCCTTCGTGGTGGAGCTGGAGGTGCTGGACGG
 ACACGAGCCCGACGGCGGCGAGCGGCTTGCACATGCGGTGCACGAGCGTCACTTCTTGGCTCCGGGGGTG
 CGGCGCGTGCCCGTACGAGAGGGCCGGGTGCGCGCCACGCTTCTCCTGCCCCAGAACCTGGACCTTTT
 CTGGGATCATAGACCTTTTTGGAGTTGGAGGTGGCCTTCTGGAGTATCGGGCGAGCTGCTGGCTGGAA
 GGGCTTTGCCGTCATGGCTCTGGCTTATTACAACACGATGACCTCCCCAAGAACATGAAACCATGCAC
 ATGGAGTACTTTGAAGAAGCCGTGAACACCTGCGCAGCCACCCGAGGTAAAAGGACCTGGAATTGGGC
 TGCTTGGGATTTCCAAAGGGGTGAACCTTGGCCTTGCTATGGCCTCCTTCTGAAGGGCATCACAGCTGC
 TGTGGTCAATGGCTCCGTGGCTGCTGTTGGGAACACCATCTCCTACAAGGATGAGACTATACCCCT
 GTGACTATCCTGAGAAATCAGGTCAAAATGACCAAGGATGGCCTCAAGGATGTTGTAGATGCTTTGCAAA
 GCCCTCTGGTAGACAAGAAGAGCTTCAATCCCCTGGAAAGGTCTGACACGACCTTCTGTTCCTCGTAGG
 TCAGGACGACCACAACCTGGAAGAGCGAGTTCTATGCTGATGAGATCTCCAACGCTGCAGGCGCACGGG
 AAGGAGAAGCCCCAGATCATCTGCTACCCAGCAGCAGGGCATTACATCGAGCCCCCTTACTTCCCCTGT
 GCAGCGCTGGCATGCACCTCCTGGTGGGTGCCAACATCACCTTTGGAGGGGAGCCCAAGCCTCATGCCAT
 GGCCCCAGTTGGATGCATGGCAGCAGCTCCAGACTTCTTCCACAACAGTTGGGTAGTGAGTGTGGTGCAT
 GTGTCTCCTAAAAATATAACCTATTATATGATGGTTTGGAGGTTGGGAAAAGGTACAAATACATTGTAA
 ATATCATTTCAGATGACTTCATCTGAACATAAAACTGCTTTAGATTTACATTTAAAAAAATTTGATATAAT
 TATCAAAATAGTCTGATTCAAGGGCTGGGAATGGAGTTTCATTGTCAAGTCTTACTGCTGGCGCATGCAG
 GATCCTGGGTTCAATCCAGCTGCGAGAAAATAAGCACGTTCTATGGAACTGGAGCTATCCAAGAAAAGT
 GCCAGGAATAAAAGGAACCATGATTAACACAAAAA

Restriction Sites: RsrII-NotI



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ACCN:	NM_012006
Insert Size:	1260 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:	BC028261 , AAH28261
RefSeq Size:	1587 bp
RefSeq ORF:	1260 bp
Locus ID:	26897
UniProt ID:	O55137
Cytogenetics:	12 39.0 cM
Gene Summary:	Acyl-CoA thioesterases are a group of enzymes that catalyze the hydrolysis of acyl-CoAs into free fatty acids and coenzyme A (CoASH), regulating intracellular levels of acyl-CoAs, free fatty acids and CoASH. More active towards saturated and unsaturated long chain fatty acyl-CoAs (C12-C20).[UniProtKB/Swiss-Prot Function]