

Product datasheet for RN212528

Acot1 (NM_031315) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acot1 (NM_031315) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Acot1
Synonyms:	Cte1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN212528 representing NM_031315 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGCGACTCTGAGCCTGGGGCCCGCCGCGCAGCTGCTGGGATGAGCCGCTGAGCATCACCGTGC
GCGGCTGGTCCCCGAGCAGCCCGTACGCTGCGCGCGCCCTGCGCGACGAGAAGGGCGCGCTCTCCG
AGCCCGCGCGCTCTACCGCGCCGATGCCACGGAGAGCTGGACCTGGCGCGCGCCCGCTCTGGGGGGC
AGCTTACGGGGCTCGAGCCCATGGGGTCTCTGGGCCATGGAGCCGAACGGCCTTTCTGGCGCTTGG
TCAAGCGCGACGTGCAGACGCCCTTCGTGGTGGAGCTGGAGGTGCTGGACGGACAAAACCCGACGGCGG
GCGGCTGCTGGCGGGCGGTGCACGAGCGTCACTTCATGGCTCCCGGGTGGCGGGTGGCCGTGCGC
GAGGGCAGGGTGCAGCCACGCTCTTCCTGCCCCAGAACCTGGGCCCTTTCCTGGAATCATAAACCTTT
TTGGAGTTGGAGGCGCCTTCTGGAGTACCGGGCAGTCTGCTGGCTGGGAAGGGTTTTGCCGTATGGC
TCTGGCTTATTACAACACGACGACCTCCCAAGACCATGGAACCATGCGCATTGAGTACTTTGAAGAA
GCCGTGAACACTGCGTGGCCACCCTGAGGTAAGGACCAGGAATTGGGCTGCTGGGATTTCCAAG
GGGTGAACCTGGCCTTGCTATGGCTCCTTCTGAAGGCGATCACGGCTGCTGTTGTCAATGGCTC
CGTGGCTGCTGTTGGGAACCATATGCTACAAGGATGAGACTATACCCCTGTGACTATCCTGAGAAAC
CAGGTCAAATGACCAAGGATGGCCTCAAGGATGTTGTAGATGCTTTGCAAAGCCCTCTGGTAGAACAGA
AGAGCTTCATCCCTGTGGAAAGGTCTGACACGACCTTCTGTTCTCGTTGGTCAAGGATGACCACAACCTG
GAAGAGCGAGTTCTATGCCAATGAGATCTCCAACGCTTGACGGCCACGGGAAAGAGAAGCCCCAGATC
ATTTGCTACCCAGAAGCAGGGCACTATATCGAGCCTCCTACTTCCCACTGTGCAGCGTGGCATGCACC
TCCTGGTGGTGTAAACATCACCTTTGGAGGGAGCCTAAGCCTCACTCTGTGGCCAGTTGGATGCATG
GCAGCAACTCCAGACTTTCTCCACAAACAGTTGGGTGTAAGAGTCATGGGGTGTCCCTAAAAATA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_031315
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:	<u>NM_031315.2</u> , <u>NP_112605.1</u>
RefSeq Size:	1589 bp
RefSeq ORF:	1260 bp
Locus ID:	50559
UniProt ID:	<u>O88267</u>
Cytogenetics:	6q24
Gene Summary:	mouse homolog has acyl-CoA thioesterase activity against long-chain acyl-CoAs; may play a role in lipid metabolism [RGD, Feb 2006]