

Product datasheet for **RN202394**

Acot2 (NM_138907) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acot2 (NM_138907) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Acot2
Synonyms:	Mte1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN202394 representing NM_138907
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGGCCTCGTCTTTGCTGTCTGAGAGCAAGCAGGTTGTGCCAATGGGGTTGAAGAGCTGGACGC
 AGCTGTCAAGTCCCTCCGCCGCTCAGCACCGGTGGCCGGACCACTTTTGC CGGACAAATGCTACGCTGAG
 CCTGGAGCCCGGAGCCGAGCTGCTGGGACGAGCCGTTGAGCATCACCGTGC CGCGCCTGGCCCCGAG
 CAGCCCGTCACGCTGCGCGCGGCCCTGCGTGACGAGAAGGGCGCGCTCTCCGAGCCACGCGCGTACC
 GCGCCGACCCGGTGGTGGAGCTGGACCTGGCGCGCTCCCGCGTGGCGGCAGCTTACGGGGCTCGA
 GCCCATGGGGCTGATCTGGGCCATGGAGCCGAACGGCCCTCTGGCGCCTGGTCAAGCGCGACGTGCAG
 AAGCCTTATGTGGTGGAGCTGGAGGTGCTGGACGGACACGAGCCCGACGGCGGTACGCGGTGGCACAGG
 CAGTGCACGAGCGTCACTTCATGGCTCCAGGGTGC GGCGCGTCCCGTGC CGGACGGCCGGTGC GCGC
 CACGCTCTTCTGCCCCAGAACCTGGGCCCTTCTGGAATCATAGACCTTTTGGAGTTGGAGGCGGC
 CTCTGGAGTACCGGGCAGTCTGCTGGCTGGGAAGGGTTTTGCCGTATGGCTCTGGCTATTACAAC
 ACGACGACCTCCCAAGACCATGGAACCATGCGCATTGAGTACTTTGAAGAAGCCGTGAACCTACCTGCG
 TGGCCACCCTGAGGTAAGGACCAAGAAATGGGCTGCTTGGGATTTCCAAGGGGGTGAACCTGGCCTT
 GCTATGGCCTCCTTCTGAAGGGCATCACGGCTGCTGTTGTATCAATGGCTCCGTGGCTGCTGTTGGGA
 ACACCGTATGCTACAAGGATGAGACTATACCCCTGTGTCCCTTCTGAGAGACAAAGTCAAATGACCAA
 AGATGGTCTCTTGGATGTCGTGGAAGCTCTGCAAAGCCCTTTGGTAGACAAGAAGAGCTTCATCCCTGTG
 GAAAGGTCTGACACGACCTTCTGTTCTCGTTGGTGGT CAGGATGACCACA ACTGGAAGAGCGAGTTCTATG
 CCAGAGAGGCCTCAAACGCTTGCAGGCCACGGGAAAGAGAAGCCAGATCATCTGCTACCCAGAAGC
 AGGGCACTATATCGAGCCTCCTTACTTCCACTGTGCAGCGTGGCATGCACCTCCTGGTGGGTGCTAAC
 ATCACCTTTGGAGGGGAGCCTAAGCCTCACTCTGTGGCCAGTTGGATGCATGGCAGCAACTCCAGACTT
 TCTTCCACAAACAGTTGAGTGGTAAAGAGT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_138907

Insert Size: 1362 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_138907.2](#), [NP_620262.2](#)
RefSeq Size: 2400 bp
RefSeq ORF: 1362 bp
Locus ID: 192272
Cytogenetics: 6q24
Gene Summary: hydrolase that is inducible by peroxisome proliferators; may have a role in lipid metabolism [RGD, Feb 2006]