

Product datasheet for RN200609

Acot7 (NM_013214) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Acot7 (NM_013214) Rat Untagged Clone
Tag: Tag Free
Symbol: Acot7
Synonyms: Bach
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN200609 representing NM_013214
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCCTCCAGGCTCATTATTTCGGCGCCGGGCTGCTGGACACCTGTTCTCAGATCCCGCCGGC
 CGTCGCCGCCGCCGCCCGCGTCGCAGCAAGATGTCGGTCCCACCACCGACACGCCGGCCGCATCCA
 GATCTGCCGGATCATGCGTCCGGATGATGCCAACGTGGCCGCAATGTTACGGAGGACCATTCTAAAG
 ATGATCGAGGAGGCTGGGGTATCATCAGCACCCGGCACTGTAACAGCCAGAATGGGGAGCGCTGTGTGG
 CTGCCCTGGCCGGTGGAGCGCACTGACTTCTGTCGCCATGTGCATCGGTGAGGTGGCTCACGTCAG
 CGCAGAGATCACCTATACTTCCAAGCACTCTGTGGAGGTCCAGGTCCACGTGTTGTCCGGAGAATCCTC
 ACAGGTACAAAAAGCTGACCAATAAGGCCACCTGTGGTATGTGCCCTGTCATTGAAGAATGTGGACA
 AGGTCCTTGAGGTGCCTCCTATTGTGATTTACGGCAGGAACAGGAGGAGGGTCGGAACGCTATGA
 AGCCAGAAGCTAGAACGCATGGAGACCAAGTGGAGAACGGAGACATTGTCCAGCCATCCTGAACCA
 GAGCCGAACACAGTGAGCTACAGCCAGTCCAGCCTGATCCACCTGGTGGGGCCCTCAGACTGCATCTTC
 ATGGCTTCGTGCACGGAGGTGTCACCATGAAGTCATGGATGAGGTGGCCGGGATTGTGGCTGCCGCCA
 CTGCAAGACCAATATAGTACTGCCTCTGTGGATGCTATTAATTTCCATGACAAGATCCGAAAGGCTGT
 GTCATCACCATCTCTGGACGCATGACCTTCACAAGCAATAAGTCTATGGAATTGAGGTCCTGGTGACG
 CTGACCCTGTGGTGGACAACTCACAGAAGCGCTACCGGGCTGCCAGTGCCTTCTTACCTACGTGCCCT
 GAATCAGGAGGGCAAGCCGCTGCCTGTGCCCTCAGCTTGTGCCGGAGACGGAGGACGAGAAGAAGCGTTT
 GAAGAAGGCAAGGCCGCTATCTGCAGATGAAGGCGAAGCGACAGGGCCATACAGAGCCTCAGCC**TAG**

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_013214



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| | |
|-------------------------------|---|
| Insert Size: | 1119 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_013214.4, NP_037346.2</u> |
| RefSeq Size: | 1453 bp |
| RefSeq ORF: | 1119 bp |
| Locus ID: | 26759 |
| UniProt ID: | <u>Q64559</u> |
| Cytogenetics: | 5q36 |
| Gene Summary: | cleaves acyl-CoA thioesters to free fatty acids and coenzyme A [RGD, Feb 2006] Transcript Variant: This variant (2) differs in the 5' UTR and 5' coding region, compared to variant 1, resulting in an isoform (2) with a distinct and shorter N-terminus, compared to isoform 1. |