

Product datasheet for RN216528

Acot7 (NM_001146061) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acot7 (NM_001146061) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Acot7
Synonyms:	Bach
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN216528 representing NM_001146061 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCTGCTTGGCTAGGACTCTGTACCTCTGGGAGGTGGGAGACAGGTAGCCTCTGGAGCCTGACGT
CTGGCCAGGAGTGTGGTGCTCAGGAAACATGGTGGGCTTCGATGAGGGCTGCAGAACCAGAGCAGT
TCATCACAAGCCTGGACATTGCATCGCCATGGGAAGGATCATGCGTCCGGATGATGCCAACGTGGCCGC
AATGTTACGGAGGGACCATTCTAAAGATGATCGAGGAGGCTGGGGTTCATCATCAGCACCCGGCCTGTA
ACAGCCAGAATGGGAGCGCTGTGTGGCTGCCCTGGCCCGGTGGAGCGCACTGACTTCTGTGCGCCAT
GTGCATCGGTGAGGTGGCTCACGTGACGCGAGAGATCACCTATACTTCCAAGCACTCTGTGGAGGTCCAG
GTCCACGTGTTGTCGGAGAACATCCTCACAGGTACCAAAAAGCTGACCAATAAGGCCACCTGTGGTATG
TGCCCTGTCAATGAAGAATGTGGACAAGGTCTTGTGAGGTGCCTCCTATTGTGTATTTACGGCAGGAACA
GGAGGAGGAGGGTCGAAACGCTATGAAGCCAGAAAGCTAGAACGCATGGAGACCAAGTGGAGGAACGGA
GACATTGTCCAGCCATCCTGAACCCAGAGCCGAACACAGTGAAGTACAGCCAGTCCAGCCTGATCCACC
TGGTGGGCGCCCTCAGACTGCACTCTTTCATGGCTTCGTGCACGGAGGTGTACCATGAAGCTCATGGATGA
GGTGGCCGGGATTGTGGCTGCGCGCCACTGCAAGACCAATATAGTGAAGTGCCTCTGTGGATGCTATTAAT
TTCCATGACAAGATCCGAAAGGCTGTGTCATCACCATCTCTGGAGCATGACCTTCAAGCAATAAAGT
CTATGAAATTGAGTCTGTTGGAGCGCTGACCCTGTGGTGGACAACACAGAAGCGCTACCGGGCTGC
CAGTGCCTTCTTACCTACGTGTCCCTGAATCAGGAGGGCAAGCCGCTGCCTGTGCCTCAGCTTGTGCCG
GAGACGGAGGACGAGAAGAAGCGTTTTGAAGAAGGCAAGGCCGCTATCTGCAGATGAAGCGAAGCGAC
AGGCCATACAGAGCCTCAGCC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001146061
Insert Size:	1146 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001146061.1</u> , <u>NP_001139533.1</u>
RefSeq Size:	1525 bp
RefSeq ORF:	1146 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 (1) represents the longer transcript and encodes the longer isoform (1).