

Product datasheet for **MC201104**

Acot7 (NM_133348) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Acot7 (NM_133348) Mouse Untagged Clone
Tag: Tag Free
Symbol: Acot7
Synonyms: 2410041A17Rik; Ach1; Act; Bach; Cte-II; CTE-IIa; Lach1
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC013507 sequence for NM_133348
 GCCTGCTGGACACCTGTTCTCAGATTCGCGCCGCCGCGCTCGTCCGCGTCGACGCCAAGATGTCCGG
 CCCACCACAGACACGCGCGCCATCCAGATCTGCCGATCATGCGTCCAGATGATGCCAATGTGGCT
 GGCAATGTTTCATGGAGGGACCATTCTGAAGATGATTGAGGAGGCCGGGGCCATCATCAGCACGCGCACT
 GTAACAGCCAGAATGGGAGCGCTGTGTGGCTGCCCTGGCACGGGTGGAGCGCACTGACTTCCTGTCACC
 CATGTGCATCGGCGAGGTGGCTCATGTGTCAGTGCAGAGATCACCTACACTTCCAAGCACTCTGTGGAGGTC
 CAGGTCCACGTGATGTCGGAGAACATCCTCACAGGTACAAAAAGCTGACCAATAAAGCCACCTTGTGGT
 ATGTGCCCTGTCATTGAAGAATGTGGACAAGTCTTGAGGTGCCTCCCATTGTGTATTTACGGCAGGA
 GCAGGAGGAGGGTTCGAAACGCTATGAAGCCAGAAGCTGGAACGCATGGAGACCAAGTGGAGGAAC
 GGAGACATTGTCCAGCCTGTCTGAACCCAGAGCCGAACACGGTGAGCTACAGCCAGTCCAGCCTGATCC
 ACCTGGTGGGGCCCTCGGACTGCACCCTTCATGGCTTCGTGCACGGAGGTGTACCATGAAGCTCATGGA
 TGAGGTGGCTGGGATTGTGGCTGCACGCCACTGCAAGACCAACATAGTAACTGCCTCTGTGGATGCCATC
 AATTTCCACGACAAGATCCGAAAAGGCTGTGTCATCACCATCTCCGGACGCATGACCTTCAAGCAATA
 AGTCCATGGAGATTGAGGTCTGGTGGACGCTGACCTGTGGTGGACAACACAAAAAGCGCTACCGGGC
 CGCCAGTGCCCTTTCACCTACGTGTCCCTGAACCAGGAGGGCAAGCCAATGCCTGTGCCTCAGCTTGTG
 CCAGAGACGGAGGATGAGAAGAAGCGCTTCGAAGAAGGCAAAAGCCGTTATCTGCAGATGAAGGCGAAGC
 GACAGGGCCACACAGAGCCTCAGCCCTAGGTGTCTTCTCCTGTCCCGGGTCAGCACAGTGTGGCAATA
 GCCCAGTATGCAGTCACTTAGAAATTGCCCCCTTGCCAAACCCCGATTCCACTGAGAGCTGGTGTG
 TGTGAAGTGTGAGTGGCAGTGTCCCTATGGCCATCCCCAAAACCTGTGCACCAAGCTTTATTTATG
 TCCCCAGTGTGTCCTCAAGGCCACCATGGACACCAAGACACCGACTGGCCTGAAGAAGCCAGCATCA
 CTAATAAAGCTGTCTGGCTGGAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_133348
Insert Size: 1017 bp



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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:	BC013507 , AAH13507
RefSeq Size:	1369 bp
RefSeq ORF:	1017 bp
Locus ID:	70025
UniProt ID:	Q91V12
Cytogenetics:	4 E2
Gene Summary:	<p>Acyl-CoA thioesterases are a group of enzymes that catalyze the hydrolysis of acyl-CoAs to the free fatty acid and coenzyme A (CoASH), providing the potential to regulate intracellular levels of acyl-CoAs, free fatty acids and CoASH (PubMed:15288813). Acyl-coenzyme A thioesterase 7/ACOT7 preferentially hydrolyzes palmitoyl-CoA, but has a broad specificity acting on other fatty acyl-CoAs with chain-lengths of C8-C18 (Probable). May play an important physiological function in brain (PubMed:15288813).[UniProtKB/Swiss-Prot Function]</p> <p>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.</p>