

Product datasheet for MC217985

Acot5 (BC016076) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Acot5 (BC016076) Mouse Untagged Clone
Tag: Tag Free
Symbol: Acot5
Synonyms: BC016076; PTE-lc
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >BC016076
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTGCCAACAGTAAGCCTGGAGCCCACGGCCACAGCTGCTGGGACGAACCGCTGAGCATCGCTGTGC
GCGGCTTGGCCCCGAGCAGCCCGTCACTGCGCACTGCCCTGCGGACGAGAAGGGCGCGCTCTCCG
AGCCACGCGCGTACCGCGCGACTCCACGGCGAGCTGGACCTGGCGGCACGCCCGCTGGCGCGG
AGCTTCTCGGGGCTCGAGCCATGGGGCTGCTCTGGGCCATGGAGCCGATCGGCCCTTCTGGCGCTGA
TCAAGCGCGACGTGCAGACGCCCTTCGTGGTGGAGCTGGAGGTGCTGGACGGACACGAGCCCACGGCGG
GCGGCTGCTGGCGGGCGGTGCACGAGCGTCACTTTCATGGCTCCCGGGTGGCGCGCTGCCCGTGC
GAGGGCCGGTGCAGCCACGCTCTTCTGCCCCAGGAACTGGACCCTTTCCTGGGATCATAGACCTTT
TTGGAGTTGGAGGTGGCCTTCTGGAGTATCGGGCGAGCCTGCTGGCTGGGAAGGGCTTGGCGTATGGC
TCTGGCTTATTATAAATATGATGACCTCCCTAAGGTTATAGACATCCTTCATCTGGAGTACTTTGAGGAA
GCTGTGACCTACCTGCTCAGTCAACCTCAGGTCAAGGGTCCAGGAGTTGGCCTGCTAGGGATTTCAAAG
GGGTGAACTCTCCCTCCATGGCTTCTTCTGAAAGGCATCACGGCCGCTGTCGTAATCAATGGCGC
CACGGTCAACGTTATTTCAACATTATACTACAAGGAAGAGAGTCTGCCTGGTTTGGGCATGCACCTAGAA
AGGATCAAGTCAAGGACGACCACTGGAAGAGCGAGTTCTATGCCAGAGAGGCCCTCAAACGCCTGCA
GGCGCACGGGAAGGAGAAGCCCCAGATTGTCTGTACCCCAAACAGGACACCACATTGAACCCCTTAC
ATCCCTTGGTCCATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: BC016076



[View online »](#)

Insert Size:	996 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:	BC016076 , AAH16076
RefSeq Size:	1416 bp
RefSeq ORF:	995 bp
Locus ID:	217698
Cytogenetics:	12 D1
Gene Summary:	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:16940157). Mainly active on medium-chain acyl-CoAs (PubMed:15007068). Seems to be involved in intraperoxisomal regulation of acyl-CoA levels, but not CoASH levels (PubMed:15007068). May have a function in termination of beta-oxidation of fatty acids (PubMed:15007068).[UniProtKB/Swiss-Prot Function]