

Product datasheet for MC212672

Acot6 (NM_172580) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Acot6 (NM_172580) Mouse Untagged Clone
Tag: Tag Free
Symbol: Acot6
Synonyms: 4632408A20Rik; A330054B07; BE688602
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC212672 representing NM_172580
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGGCGACACTGAGCGTGGAGCCCGGGCCGAGCTGCTGGGACGAACCGCTGAGCATCGCCGTGC
 GCGGCCTGGCCCCGAGCAGCCCGTACGCTGCGCTCTGTCTGCGGACGAGAAGGCATGCTCTCCG
 AGCCACGCGCGTACCGCGGACTCCACGGGAGCTGGACCTGGCGGCACGCCCGCTGGCGGC
 AGCTTCTCGGGGCTCGAGCCATGGGGCTGCTCTGGGCCATGGAGCCGATCGGCCCTTCTGGCGCCTGA
 TCAAGCGCGATGTGCAGATACCCCTTCGTGGTGGAGCTGGAGGTGCTGGACGGACACGAGCCGGATGGCGG
 GCAGCGGCTGGCGGGCGGTGCACGAGCGTCACTTCATGGCTCCCGGGTGGCGCGCTGCCCGTGC
 GAGGGCCGGTGGCGCCACGCTCTTCTGCCCCAGGCAAGGGCCAGTCCCTGGGATCATCGATTTGT
 ATGGAAGTATCGGTGGCTTATGTGAACATAGAGCCAGCCTTCTGGCTGGGCATGGTTTTGCCGTGCTTGC
 CCTGGCTTATTTCCAGTTTGAAGACCTCCCTGAAAATCTGAGTGACGTTCCGCTGGAGTACTTTGAAGAA
 GCCTTAGCTTTGATGCTACGCCATCCTCAGGTGAAAGGCCAAAATATTGGACTTATTGGTCTCCAAAG
 GTGCTGATCTGTGCCTCTCGATGGCTTTCTGAAAGGACAACATCACAGCCACTGTCCTATAAATGC
 CTGTGTGGCCAACACATTAGTACCTCTGTATTACAAGGATCTGTTTGTTCCTGAGCTTGGGTGTGATCAA
 ACAAAAAATAAGTCAGGCCTTATGGATTTGAGGATATGTGAAACAATCCACTGGAGGAACCCAACCACC
 AGAGTCTTATCCATTGGAAAAGGCCAGGACCTTCTGTTTCTGTGGGCATGGATGATCACAACCTG
 GAAGAGTGACGTCTATGCTCGTATAGCCTGTGAACGCCTGCAAGCCCATGGAAAAGACAGACCCAGATA
 ATCTACTATCCAGAACTGGTCACTGTATTGAGCCACCTATTTTCTCTCCATAGCCACTGTACACT
 TCGTGTGGGTGAAGCAGTCTTCAATGGAGGTAAGCCACGTGCTCAATCAAGGGCACAGCTGGATGCCTG
 GCAACGCATTCAAACCTTTCTTCAAAAAATCTCAATGGTAAAAGCCTGCCAGGCACAGCAAAC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_172580
Insert Size:	1260 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:	NM_172580.1 , NP_766168.1
RefSeq Size:	1822 bp
RefSeq ORF:	1260 bp
Locus ID:	217700
UniProt ID:	Q32Q92
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:17613526). Acyl-coenzyme A thioesterase 6/ACOT6 catalyzes the hydrolysis of phytanoyl-CoA and pristanoyl-CoA, two methyl-branched fatty acids derived from phytol, that enter the body via the diet (PubMed:17613526). [UniProtKB/Swiss-Prot Function]