

Product datasheet for MC212671

Acot5 (NM_145444) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Acot5 (NM_145444) 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: >MC212671 representing NM_145444
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGTGCCAAACAGTAAGCCTGGAGCCACGGGCCACAGCTGCTGGGACGAACCGCTGAGCATCGCTGTGC
GCGGCTTGGCCCCGAGCAGCCCGTCACTGCGCACTGCCCTGCGGACGAGAAGGGCGCGCTCTCCG
AGCCACGCGCGCTACCGCGGACTCCACGGCGAGCTGGACCTGGCGGCACGCCCGCTGGCGGC
AGCTTCTCGGGGCTCGAGCCATGGGGCTGCTCTGGGCCATGGAGCCGATCGGCCCTTCTGGCGCTGA
TCAAGCGCGACGTGCAGACGCCCTTCGTGGTGGAGCTGGAGGTGCTGGACGGACACGAGCCCGACGGCGG
GCGGCTGCTGGCGGGCGGTGCACGAGCGTCACTTCATGGCTCCCGGGTGGCGCGCTGCCCGTGC
GAGGGCCGGTGCAGCCACGCTCTTCTGCCCCAGGAAGTGGACCTTTCCTGGGATCATAGACCTTT
TTGGAGTTGGAGGTGGCCTTCTGGAGTATCGGGCGAGCCTGCTGGCTGGGAAGGGCTTGGCGTCATGGC
TCTGGCTTATTATAAATATGATGACCTCCCTAAGGTTATAGACATCCTTCATCTGGAGTACTTTGAGGAA
GCTGTGACCTACCTGCTCAGTCAACCTCAGGTCAAGGGTCCAGGAGTTGGCCTGCTAGGGATTTCAAAG
GGGCTGAACCTCCCTCTCCATGGCTTCTTCTGAAAGGCATCACGGCCGCTGTCGTAATCAATGGCGC
CACGGTCAACGTTATTTCAACATTATACTACAAGGAAGAGAGTCTGCCTGGTTTGGGCATGCACCTAGAA
AGGATCAAGGTGACCAAAGATGGGTTTAAAGATATTATAGATATCCTGAATGTCCCTCTAGAAGCTCCAG
ACCAGAAGAGCCTCATCCCTTGGAAAGGTCTGACACGGCCTTCTGTTCTCGTAGGTCAAGACGACCA
CAACTGGAAGAGCGAGTTCTATGCCAGAGAGCCCTCAAACGCCTGCAGGCGCACGGGAAGGAGAAGCCC
CAGATTGTCTGTACCCAAAACAGGACACCACATTGAACCCCTTACATCCCTTGGTCCATAGCTGCC
CCCACAGTATTTTGATAAGCCTATCCTCCTTGGAGGGGAGCCTAGGGCTCATGCCATGGCCAGGTGGA
CGCCTGGCAGCGGCTCCAGACTTTTTCCATAAACATTTGAGTGGGACAAGAGGCCAAGCCAGCAAAA
CTATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_145444
Insert Size:	1266 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_145444.3</u> , <u>NP_663419.3</u>
RefSeq Size:	1518 bp
RefSeq ORF:	1266 bp
Locus ID:	217698
UniProt ID:	<u>Q6Q2Z6</u>
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]