

Product datasheet for **MC203714**

Acot13 (NM_025790) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acot13 (NM_025790) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Acot13
Synonyms:	0610006O17Rik; Them2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC018165 TGATCATCTAGGACCAGGGCGACCGGGGCGCGCATCCTTTCTCCGAGCAGCAGCGCACCCGCCGGG CTTGCAGACTTGACCTTCCACACCCTTGTCTCTCACAACGTCCTTCCAGAGTTCAGTCTCGCAGAGC CCAGACTCTTGCTTTGCGTCCACGATGAGCAGCATGACCCAGAACCTACGAGAAGTAATGAAGGTTATGT TCAAAGTTCCCGGTTTTGATAGAGTTTTGGAAAAGGTGACGCTTGTCTCGGCTGCTCCTGAGAACTAAT CTGTGAGATGAAGGTGGAGGAGCAGCATACTAATAAGCTGGGTACGCTCCATGGAGGCTTACAGCAACC TTAGTGGACAGCATCTCGACCATGGCTCTAATGTGCACAGAAAGAGGAGCACCCGGAGTCAGTGTGGACA TGAACATAACGTACATGTCACCTGCTAAGATAGGAGAAGAAATAGTGATCACAGCACACATTCTGAAGCA AGGAAAGACACTTGCATTTGCCTCAGTGGATCTGACCAACAAGACCACAGGAAAATTAATAGCACAAGGC AGACACACAAAACACCTGGGAACTGAGAACAGCGGGAAGACCCGAAGAAGCCCAACAATGCCAAGTATG GTTTGTGAACAACCTTTCTGAAATAAATTATCAAAACCAGAAAAAAAAAAAAAAAAAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_025790
Insert Size:	423 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).



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Reconstitution Method:

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: [BC018165](#), [AAH18165](#)

RefSeq Size: 689 bp

RefSeq ORF: 423 bp

Locus ID: 66834

UniProt ID: [Q9CQR4](#)

Cytogenetics: 13 A3.1

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. Has acyl-CoA thioesterase activity towards medium (C12) and long-chain (C18) fatty acyl-CoA substrates. Can also hydrolyze 3-hydroxyphenylacetyl-CoA (in vitro). May play a role in controlling adaptive thermogenesis. [UniProtKB/Swiss-Prot Function]