

Product datasheet for **MC219773**

Acsf2 (NM_153807) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acsf2 (NM_153807) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Acsf2
Synonyms:	MGC25878
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219773 representing NM_153807
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGTCTATCACGGGATGCTGCGCTTCGGGAGGCTGTGTATCGCGAGCCTGGGGCGCGGGGCCCCC
 GGACGCTGCTCTCTCGCCCTCGGCCGAAGTTCGAGAGTGTCCGCGCTCTCAGTTCTGGAATGGT
 GAACTGCACCAACCCCTTGCCCATCGGAGGCTCAGCTACATTCAGGGCCACACCGACTCCCATCTTGTG
 AACACAACGTGGGCGAGTGCCTTGACGCCACGGCGCAGAGGTTCCCGACAGAGAGGCTTTGGTTATCC
 TCCATGAAAACATCAGGCTGAACTTTGCGCAGCTCAAGGAGGAGGTGGACAAAGCTGCTTCTGGTCTTCT
 GAGCATTGGCCTCCGCAAGGGTGACCGGCTGGGCATGTGGGGACCCAACCTCTATGCCTGGGTACTTATT
 CAGCTGGCTACTGCCAGGCAGGCATCATCTGGTGTCTGTGAACCCAGCCTACCAGTCTCAGAAGTGG
 AATATGTCCTCAGAAAGGTAGGCTGCAAAGGTATTGTGTTTCCCAAACAATTCAGACCCAGCAGTACTA
 CGACATCTGAAGCAGGCTGTCTGAGCTGAAAAGGCTCAGCCAGGGGCTTGAAGAGTGAGAGACTC
 CCAGACCTGACTACAGTCATCTCAGTGGATGCCCTCTGCCGGGACCCCTGCTCCTGGATGATATTGTGG
 CAGCCGGTGGCAAGGAACAGAACCTAGCCAGCTGCGGTACAACCCAGCGGTTCTTGTCTGCTACGACCC
 CATCAACATCCAGTTCACCTCGGGGACAAGTGGAAACCCCAAGGGGGCCACTCTTCCCACCACAACATC
 GTAACAACCTCCATGCTGATAGGCCAGCGTCTGAAGATGCCACAAAGACTGCAGAGGAGTTGCGCTTGG
 TCCTGCCAGTCCCCTGTACCACTGCCTGGGCTCCGTGGGGGGCAACAATGGTGTCTATGATGCATGGTGC
 CACTCTCTCTGTCTTCTCCAAGCTTCAATGGCAAGAAGGCATTGGAAGCCATCAGCAGAGAGAAAAGGC
 ACCCTCTGTATGGCACACCCACGATGTTTGTGGATATTCTGAATCAGCCAGACTTCTCCAGTTATGATT
 TCACAAGCATTCTGTGGAGGTGTGATTGCTGGGTCGCCAGCACCCCGAATTGATTCGAGCCATCATCAA
 CAAGATGAACATGAAGGAGCTGGTGGTTGTTTATGGAACCCAGAGAACAGTCCCGTGACCTTCATGAAC
 TTTCCCGAGGACACCCTGGAGCAGAAGGCTGGTAGTGTGGGCAGAATTATGCCTCACACGGAGGCCCAGA
 TTGTGAATGTGGAGACGGGTGAGCTGACCAACCTGAACGTGCCTGGGGAGCTGTATATCCGAGGGTACTG
 CGTCATGCAGGGCTACTGGGGTGAAGCACAAGACCTTCGAGACGGTCGGACAAGACAAGTGGTATCGG
 ACAGGAGACATTGCTTTGATGGATGAACAGGGCTTCTGCAAGATCGTCGGCCGATCGAAGGATATGATCA
 TCCGTGGCGGTGAGAACATCTACCCTGCAGAGCTGGAGGACTTCTTCTCAAGCACCCACAGGTGCAGGA
 AGCGCAGGTGGTGGGGTGAAGGACGAGCGGATGGGGGAGGAAATCTGTGCTTGATTCCGCTGAAGAGC
 GGAGAGACCACCGGCGGAGGAGATCAAAGCTTCTGCAAAGGGAAGATTTCCCACTTTAAGATCCCC
 GATACATCGTGTTTGTGAAGGCTATCCTCTACCATCTCAGGAAAGATCCAGAAATTCAAACCTCCGAGA
 GCAGATGGAACAGCATCTAAAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_153807

Insert Size: 1848 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:

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_153807.2](#), [NP_722502.1](#)

RefSeq Size: 3069 bp

RefSeq ORF: 1848 bp

Locus ID: 264895

UniProt ID: [Q8VCW8](#)

Cytogenetics: 11 D

Gene Summary: Acyl-CoA synthases catalyze the initial reaction in fatty acid metabolism, by forming a thioester with CoA. Has some preference toward medium-chain substrates. Plays a role in adipocyte differentiation.[UniProtKB/Swiss-Prot Function]