

Product datasheet for **MC202900**

Acsm1 (NM_054094) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acsm1 (NM_054094) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Acsm1
Synonyms:	Acas3; Bucs1; Macs
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >BC016414 sequence for NM_054094
 CTGTGCACAGAGAGCAGGCCCTTACAAGCCGTCTCTCCTGGCTATAGTCTACCTGTGTCCTTCACAGTACC
 AGGACTGCCCTAATATGCAGTGGCTGAAGAGTTTCAGATCTGCAAAGTCTTACAGGGCTTCTCCCTAAG
 CCCACCCAGCTGCACAGACGGTTGTTTTCAAGAGTTGGAGCTCCAAGATGGAATGACCATGATTACCT
 GAGGAGTTAACTTTGCAAGTGATGTCTGGACTACTGGGCTCAAATGGAGGAGGAGGCAAGAGAGGAC
 CAAGTCCAGCCTTTTGGTGGGTGAATGGCCAAGGAGATGAAATAAAGTGGAGCTTCAGGAAGCTGAGGGA
 CCTCACCTGTGCACTGCCAACGTCTTTGAGCAGATTTGTGGCCTGCAGCAAGGAGATCACCTGGCCTTG
 ATTCTGCCCCGAGTGCCCGAGTGGTGGTGGTGACAGTGGGCTGCATGCCAACAGGGATCATCTTCATGC
 CTGGGACTACCCAACTGAAAGCCAAAGGACATTCTACCGAATACAAATATCTCGAGCCAAAGCCATTGT
 GACCACAGCTAGCCTTGTCCAGAGGTGGAATCTGTGGCTTCTGAGTGTCTGATCTGAAAACCAAGCTG
 GTGGTGTCTGATCACAGCCATGAAGGTGGCTTGAATTTCTGTTCACTGATTAATCAGCATCCCCAGACC
 ATACTTGTATTAAGTCAAAGATGAAGGATCCCATGGCCATCTTCTTACCAGTGGGACCACAGGCTACCC
 CAAGATGGCAAAGCACAACCAGGACTTGCCTCCGGTCATATATCCCTTATGCAGAAAATTATTGAAG
 CTGAAGACATCTGACATCTTGTGGTGCATGTCAGACCCAGGATGGATTCTGGCTACCGTGGGGTGCCTGA
 TCGAGCCATGGACATCAGGATGTACAGTCTTCATCCACCACCTCCCTCAATTCGACCCCAAAGTCATTGT
 AGAGGTACTGTTCAAATACCCCATCACTCAGTGCCTTGTGCCCCAGGCGTGTATCGAATGGTTCTTCAG
 CAGAAAACCTCCAACTCAGGTTCCCCACCTTGAGCATTGCACTACTGGTGGGGAGAGCCTGCTGCCTG
 AGGAGTATGAGCAGTGAAGCAAAGGACAGGTCTTCCATCCACGAGGTCTATGGACAGTCAAGAACGGG
 GATCAGCAGTGCCACCCTCCGGGAAATGAAGATCAAGCGAGGCTCCATAGGGAAGGCCATCTTACCCTTT
 GACTTGCAGATCATCGATGAAAAGGGCAACATCTCCACCCAACACTGAAGGATACATTGGCATCAGGA
 TCAAGCCCACCAGGCTCTAGGCCTCTTCATGGAATATGAGAATAGCCCAGAGAGCACATCTGAAGTGA
 GTGTGGGGACTTTTACAATAGTGGGATAGAGCGACCATTGATGAAGAGGGCTACATCTGGTTCTTGGGA
 AGGGCCGATGATGTCATCAATGCTTCCGGTATCGCATCGGCCCTGTAGAGGTGGAGAAGCCTTGGCGG
 AGCACCCAGCAGTGGCAGAGTCTGCGGTGGTGAGCAGCCCGGACAAGGATCGAGGAGAGGTGGTGAAGGC
 GTTTATTGTCCTCAACCCAGAGTTCCTGTACACGATCAGGAACAGCTTATCAAAGAGCTACAGCATCAT
 GTGAAGTCAGTGACGGCACCATACAAGTACCCAGGAAGGTGGAGTTTGTTCAGAATTGCCAAAACCTG
 TCACAGGCAAAATCAAAGGAAGGAACTTCGAAACAAGGAGTTTGGTCAGCTATGAACAGCAATCAACCC
 AGAGCATCTGTGACCTGAATCCTTGGCTGTTGGGGTCAAGGTGGTGGGATGACGATGGAATGCAGGA
 AGGTAATGTGGAAGAGAAAACCAAGACCCCAACATTTTGGCTTTTTTCAAACCTCAGTTGGTCCCCTTC
 CTGGATACCTTTTTTTTCCCTTCCACAGTGCACCTTTCAGACTGTTTGTGGACAATAAAAAATCTGGCTT
 GAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_054094

Insert Size: 1722 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: [BC016414](#), [AAH16414](#)

RefSeq Size: 2059 bp

RefSeq ORF: 1722 bp

Locus ID: 117147

UniProt ID: [Q91VA0](#)

Cytogenetics: 7 F2

Gene Summary: Functions as GTP-dependent lipoate-activating enzyme that generates the substrate for lipoyltransferase (By similarity). Has medium-chain fatty acid:CoA ligase activity with broad substrate specificity (in vitro). Acts on acids from C(4) to C(11) and on the corresponding 3-hydroxy- and 2,3- or 3,4-unsaturated acids (in vitro).[UniProtKB/Swiss-Prot Function]