

Product datasheet for **MC201078**

Acsm3 (NM_212441) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acsm3 (NM_212441) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Acsm3
Synonyms:	Sa; Sah
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC015248 sequence for NM_212441
 CCACCAACTAAAGCAGAGGCAATGGACTTGGCCAACATCCTAAAGACCAGTGAATCTCTCACTTGAAC
 ACAGAACTTGTGTGGAGAATATTGTTAAAGATTTAATCCATTAACCTCACTGATCTTCAGTGGGACCTA
 AAGATTATGCACTTCTGACAGGTGTCCAAGTGGTGCAGTGGTTCATAGACCATAGGCTCTGGATGAGTGG
 ATCTCCACTTGGGTGAAAGACAAGGAGGTTCAAGCTGGATGATCTCAGAGAGTTCAGATCACCGACTCG
 TGAGGTTCTCACACAGGAAGTGGACACCTGGAGCCGCTGGATTTCAAATGCATCCATTTTCATCAGCATGA
 TGCTAGCCACCCAGATCCATCTGGATTAGTCTGCATGGAATCTCACATGCCAAAACATCAACAACACT
 GATGCTAGCTAGCTCTTGTGCATCATGGTATGTTACTCCGTGCTAGGTGTTTTTCAGCGCCTAGCAATTCC
 TGATCCTATGAGAGTCTTGTATAAAGATTACAGAACAGCGACCCCTCAGAAGTTTTCCAACATATGAGTCC
 ATGAAACAAGACTTCAAATAGAGATTCAGAGTATTTCAATTTTGCAAAAAGATGCTCTGGACCAATGGA
 CCAATATGAAAAGGCTGGAAAGAGACTTTCCAATCCAGCCTTCTGGTGGATAGATGGGAATGGAGAAGA
 GCTGAGATGGAGTTTTGAAGAACTTGGGTTGTTATCCAGGAAATTTGCCAACATACTCACAGAAGCCTGC
 TCCCTGCAAAGAGGAGACAGAGTAAATGGTGAATGCTGCCAAGATCCCAGAGTGGTGGCTTGCAAATGTGG
 CCTGTCTGCGAACAGGGACAGTTTTAATCCAGGAACCACTCAGCTGACCCAGAAAGACATCCTCTATAG
 ACTACAATCTTCAAAGCTAAGTGCATTATTACCGATGATACTTTGGCCCCAGCAGTAGATGCCGTGGCA
 GCTAAATGTGAAAATCTCCACTCAAATTAATTGTGTCTCAGCACTCCAGAGAAGGCTGGGGAACTCA
 AGGAGATGATGAAATATGCCAGTGACAGCCACACTTGTGTGGACAAAAACAGCAGAGATGATGGCCAT
 CTACTTACCAGTGGGACAACTGGGCTCCTAAGATGATTGGACACCCACAGCAGCTTTGGTTTAGGA
 TTGTCTGTCAATGGAAGGTTCTGGCTGGATTTGATAGCCTCCGATGTGATGTGGAATACTTCAGATACAG
 GCTGGGCAAAGTCTGCATGGAGTAGTGTTTTTCTCCATGGACCAAGGAGCATGTGTTTTTGCACACTA
 TTTGCCCGTTTTGAATCAACTTCCATCTTCAAACCTCTCCAAGTTCATCACTGTCTTCTGTTCT
 GCACCACTGCCTACCGGATGCTTGTTCAGAATGACATGAGCAGTATAAGTTCAACAGTTTGAAGCACT
 GTGTCACTGGAGAACCTATTAACCCGAAAGTGAAGCAATGGAGAAGAAGACGGGCTAGACAT
 CTATGAAGGATATGGACAGACAGAAACGGTGTGATCTGTGAAAATTTCAAGGGATGAAAATTAAGCCC
 GGCTCAATGGGAAAGCCTTCTCCTGCTTTTGTGTGAAGATTTTATAGTAAAATGGTCCACTCTTCTC
 CTGGACAAGAAGGGGATATTGCTCTTCAAGTCTTCTGAGCGACCATTGGCCTTTTTACTCATTATGT
 AGATAATCCTTCAAACGGCTTCAACTCTACGAGGGAGTTTCTACATTACTGGGGACAGAGGATATATG
 GATGAAGATGGCTATTTCTGGTTTGTGCAAGATCAGATGATATCATATTATCTTCTGGTACCGAATTG
 GACCATTTGAGGTAGAAAGTGCCTCATAGAACATCCTTCCATCGCAGAGTCAGCTGTTGTCAGCAGTCC
 AGACCCCATCAGAGGAGAGGTAGTAAAGGCTTTTATTGCTCCTGAATCCTGATTACAAGTCCCATGATCAA
 GAGCAACTGAAAAGGAGATCCAGGAGCAGTGAAGAAGACTACAGCGCCTTACAATACCCAGAAAGG
 TAGAATTTATTGAAGAGCTGCCGAAGACTGTCAAGTGGGAAAGTCAAAGAAATGAACTGAGGAAAAGGA
 ATGGGTAAACAATTGAACTCCTCCCACTAATCACCTGTGTAGCTATAAACACAGTGTCTACAAGTCTGCA
 GGAACCACAGATTATGTGGGAGACTGCTTTGAAACTGGATTGAAAGTATTTTGTAGTTATGACATCAGA
 GCCTGAATTTGAAATCAAATAATCATTATTGAATCCTTCTGCATTATGTCAATGCTCCTGTAATCTGC
 CAACATAAAATGAATGTCGCCAGATGCTGAGATGCTTAAATTTATTTTAGGAGCAGATTCTAAACTAA
 ATCTGTACCCAGGCATTTTCAAACATAACTGAACAATTCTAATATGCTAATATACAAATCAGAACAAT
 CTTCAAACCTTTGAAAAGAACCCTATTTTAAAGAACTGCATAATTCTTAGAATATTTACCTAAAACCTT
 ACTAGTCATATTTTATTCAAGTAATTTAAAAATAGTTTGAATTTGTTTGAAGGTCAAAGTATAAGAGA
 AAGCTGTCACATTCTGTGGCTAGTTATTAATTTAACCTAATAAACATGGTTTGTAAAAATAAAAAAAA AAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_212441

Insert Size: 1737 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>BC015248</u> , <u>AAH15248</u>
RefSeq Size:	2737 bp
RefSeq ORF:	1737 bp
Locus ID:	20216
UniProt ID:	<u>Q3UNX5</u>
Cytogenetics:	7 F2
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 5' UTR, compared to variant 1. The three transcript variants all encode the same protein.</p>