

## Product datasheet for **MC203032**

### Soat2 (NM\_146064) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Soat2 (NM_146064) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Soat2
Synonyms:	ACAT2; D15Wsu97e
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC025931  
 AAAGAAAGAAAGGAAGAAGACAGACAACAGCTGTGTGCTGTCGGCTCTACACTGGCACCATGCAGCCAAA  
 GGTGCCCCAGCTTCGGAGGAGAGAAGGGCTGGGAGAGGAGCAGGAGAAGGGAGCCCGTGGAGGAGAAGGG  
 AACGCAAGGACACACGGAACCCAGACTTGGTGAATGGACTCGACATATGGAGGCTGTGAAGACACAGT  
 TTCTGGAGCAAGCACAGAGAGAGTTGGCAGAGCTGTTGGATCGGGCCCTATGGGAGGCTATGCAAGCTTA  
 CCCCAAAACAAGACAGACACTCTCCCTCCGCTGCCCCAGATTCTACAAGCAAGACCCAAGATTACACCCT  
 GGAAAACGGAAAAGTTTTTCATCACCCGCAAGTCACTGATCGATGAGCTAATGGAGGTGCAACATTTCCGAA  
 CCATCTACCACATGTTTCATAGCGGGCCTATGCGTCCTGATCATCAGCACCCCTGGCCATCGACTTCATTGA  
 TGAGGGCAGGTTGATGCTGGAGTTTGACTACTCCTCTTCAGCTTCGGACAGCTGCCCTTGGCGCTGATG  
 ACCTGGGTTCCTATGTTCTGTCTACGCTCCTAGTGCCCTACCAGACCCTGTGGCTGTGGCCAGGCCGC  
 GCGCTGGGGTGCCTGGATGCTGGGGGCCAGCCTGGGCTGCGTTCTGCTGGCTGCCACGCTGTGGTGTCT  
 CTGCGTCTGCCGTGCACGTGTGAGTGGCATGAGCTTCCGCCCGCTCGCGTGCCTGCTGCTGTTT  
 GAGCAGGTGAGATTGCTGATGAAAAGCTACTCCTTCTGAGAGAGACTGTGCCTGGGATCTTTTGTGTCA  
 GAGGAGGAAAGGGCATCAGCCCCCAAGTTTCTCCAGCTACCTCTACTTCTTCTGCCCTACACTTAT  
 CTACAGAGAGACATACCCAGGACACCCAGCATCAGGTGGAATATGTGGCAAGAATTTGCCAGGTC  
 CTGGGCTGTTTGTCTATGCCTGCTTATCCTGGCCCGCTCTGTGTCCCTGTCTTTGCCAACATGAGCC  
 GGAACCCCTTCAGCACCCGGGCTCTGCTGCTCTCCATCTTGCATGCCACGGGGCCAGGCATCTTCATGCT  
 GCTCCTCATCTTCTTCGCTTCCCTGCACTGCTGGCTCAACGCCTTCGCCGAGATGCTGCGGTTTGGAGAC  
 AGGATGTTCTACCGGGACTGGTGAACCTGACTTCTTCTCCAATACTACCGCACCTGGAACGTCGTGG  
 TCCATGACTGGCTGTACAGCTATGTGTATCAAGATGGGCTGTGGCTTTAGGCAGGCGGGCTCGCGGGGT  
 GGCCATGCTGGGAGTGTCTGGTGTCTGCGGTGGTTCATGAGTATATCTTCTGCTTCGCTCGGGTTC  
 TTCTACCCGGTCACTGCTGATGCTATTCTTGTTCGCGGGGCTGCTGAATTTACCATGAACGACAGGC  
 ACACAGGTCCAGCCTGGAACATCCTGATGTGGACCTTTCTTTCATGGCCAGGGCATCCAGGTCAGCCCT  
 ATACTGCCAGGAGTGGTATGCTCGTGCACACTGTCCCCTGCCCCAGACAACATTCTGGGGATGGTGACA  
 CCCCCTCTTGGTCTGCCATCCCTAGAAGTCAAGGCTTCATGCTACACAGATGACAGCATCAAGCTCTT  
 CTCTGCCTGCAAAGCCCAGAGCCAGGGTCTCCTACTACCTCATTGGAGTCAGGGACTTGACATAGGAC  
 CTTCCAGGGGGCCATGGGGACTCAGGTACCCACCTCTGTGGTCAGCTGACCACAGGCTCAGTATGGTGTG  
 ACTCGAGCACCTACCCTCTGTGGACTGGGCACAGGTTCCCTTCATGTCTCTCCAAGTGTGCGGAGACTCA  
 GAGGAACAGGGCACACCAAAGTCTGACACGTTTGGTCTTTCTGCTTCTCCCAATGCAACAATAAAAAATC  
 TTAGTCTCGGACTGGAGAGATGGCTCAGTGGTTAAGAGCACTGAGTGTCTTCCAGAGGCTCTGAGTTCA  
 ATTCCCAGCAACCACATGGTGGCTCACAGCCATCTGAAATGGGATCTGATGCCCTCTTCTGGTGTGTCTG  
 AAGACAGCGACAGTGTACTCACATACATTAATAAATAAATCTTGAACATAAAATAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_146064

**Insert Size:** 1578 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:** [BC025931](#), [AAH25931](#)

**RefSeq Size:** 2170 bp

**RefSeq ORF:** 1578 bp

**Locus ID:** 223920

**UniProt ID:** [O88908](#)

**Cytogenetics:** 15 57.33 cM

**Gene Summary:** Plays a role in lipoprotein assembly and dietary cholesterol absorption. In addition to its acyltransferase activity, it may act as a ligase. May provide cholesteryl esters for lipoprotein secretion from hepatocytes and intestinal mucosa.[UniProtKB/Swiss-Prot Function]