

Product datasheet for **MC204805**

Soat1 (NM_009230) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Soat1 (NM_009230) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Soat1
Synonyms:	8430426K15Rik; Acact; ACAT-1; ald; AW550831; hid
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC083092
AAGAGGTAATCCGGGAGAAGAGAAGATGTCACTAAGAAACCGGCTGTCAAAATCTGGGGAGAATCCTGAG
CAAGATGAAGCCCAGAAAAATTTTCATGGACACATACAGAAATGGTCACATTACCATGAAACAATTGATAG
CCAAGAAGAGGCTGTTGGCAGCAGAGGCGGAGGAGCTGAAGCCACTATTTATGAAGGAAGTTGGGTGCCA
CTTCGATGACTTTGTGACCAACCTCATTGAAAAGTCCGCATCGCTGGACAATGGTGGGTGTCACCTCACA
ACCTTCTCCATTCTTGAAGAAATGAAAAAGAACCACAGAGCCAAAGATCTGAGAGCACCTCCAGAACAAG
GGAAGATTTTTATTTCAAGGCGACTCTTTTTAGACGAGCTGTTTGAAGTGGACCACATCAGAACAATTTA
CCACATGTTTCATCGCACTCCTCATCCTATTCGTCCTCAGCACGATCGTCGTGGACTACATCGATGAAGGA
AGGCTGGTACTTGAGTTCAATCTCCTGGCCTATGCTTTTTGGCAAATTTCTACTGTTATTTGGACATGGT
GGGCCATGTTCTGTCTACACTGTCAATCCCCTATTTCTGTTCCAGCGATGGGCCACGGTTACAGCAA
GAGTTCTACCCATTGATCTATTCCCTTGCCATGGCTTGCTCTTCTTAGTCTTTCAACTGGAGTTCTA
GGTTTTGTGCCAACATACGTTGTCTTAGCATACACTGCCACCAGCCTCCCGGTTCACTTCTGATACTGG
AACAGATTCGTTTGATAATGAAGGCTCACTCATTGTGTCAGAGAGAATATCCCACGAGTACTAAATGCAGC
CAAGGAGAAATCAAGCAAAGATCCACTACCCACAGTCAACCAAGTACCTGTACTTCTGTTTGGCCCTACA
CTTATTTACCGAGACAACCTACCAAGGACTCCTACTGTAAGATGGGGTTATGTCGCTATGCAGTTTTTAC
AGGTGTTTGGCTGCCTGTTTTATGTGTACTACATCTTTGAGAGACTCTGTGCCCCACTATCCCGAATAT
CAAACAGGAGCCCTTCAGTGCTCGTGTCCCTGGTCTGTGTGTTAACTCCATCTTGCCAGGTGCTTTG
ATACTGTTCTTTTCGTTCTTTGCCTTTTTGCACTGCTGGCTCAATGCCTTTGCTGAGATGTTACGCTTTG
GTGACAGGATGTTTTATAAGGACTGGTGGAACTCTACATCATACTCCAATACTACAGGACCTGGAACGT
GGTGGTGCACGACTGGCTCTACTACTATGTTTACAAAGACCTGCTCTGGTTTTTCTCGAAGAGGTTCAAA
TCTGCCCCATGCTGGCCGTCTTCGCCCTGTGGCTGTGGTGCACGAGTATGCCCTGCCATCTGCCTGA
GTTACTTCTACCCGGTCTCTTCGTGCTTTCATGTTCTTTGGAATGGCTTTAACTTCATTGTTAACGA
CAGTCGGAAGGCAATCTGGAACATCATGGTTTGGGCTTCTCTGTTCCCTGGGCTATGGACTATTCTG
TGTCTTTTATTCTCAAGAGTGGTATGCCCGCCAGCACTGTCTCTGAAGAACCCTACATTTCTGGATTATG
TCCGGCCGCGACCTGGACTTGTGCGTACGTGTTTTAGAAGCCCTGGCTCTGCCTCCTTGCTTGCCATTG
AAGATTGGATATTCTTCTGATTCCGAGCCAGCCGCTTTCAGCGTTACTGAATCCCCACTGCGGTGT
TTGGGGCTCTCTATCCTTTCTGATGATTCACCTGGAGTTGGGCTGTGGGAAGCCACTTCGTGATTTTTT
TGTTTTGTTTTGTTTTGTTCCCTTTGGGGGAGAAAGGAGACTGACAGTTGAGATAATGGCAGATTTTTGC
AGGTTATCTCAGGTCAAGCCTTGGTAGTTTTATCTGTTATTTCTTGGATTCCATCCAACCAGAGACTA
AACATATCTTGACCATGAGTTAGCCAAAACACTTAGGAAGACATCATTTCTGTATCTCTGAGCATAGAAG
TTTTGTTTCATGCACATTATCAAGAGGTATGCTAGTGCAATTGAGAAGAAAGAAATTTTGTATTTTTTGGT AGAGAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_009230

Insert Size: 1623 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: [BC083092](#), [AAH83092](#)

RefSeq Size: 2113 bp

RefSeq ORF: 1623 bp

Locus ID: 20652

UniProt ID: [Q61263](#)

Cytogenetics: 1 67.71 cM

Gene Summary: Catalyzes the formation of fatty acid-cholesterol esters, which are less soluble in membranes than cholesterol. Plays a role in lipoprotein assembly and dietary cholesterol absorption. [UniProtKB/Swiss-Prot Function]