

## Product datasheet for **SC216027**

### **SOAT 1 (SOAT1) (NM\_003101) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	SOAT 1 (SOAT1) (NM_003101) Human 3' UTR Clone
Symbol:	SOAT 1
Synonyms:	ACACT; ACAT; ACAT-1; ACAT1; SOAT; STAT
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_003101
Insert Size:	1680 bp



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**Insert Sequence:** >SC216027 3' UTR clone of NM\_003101  
 The sequence shown below is from the reference sequence of NM\_003101. The complete sequence of this clone may contain minor differences, such as SNPs. **Red**=Cloning site  
**Blue**=Stop Codon

CAATTGGCAGAGCTCAGAATTCAA**GCGATCGC**

TCCTGGACTTGTCTGTTACGTGTTTT**AG**AAGCTTGGACTTGTTCCTCCTTGCTACTGAAGATTGGGTAG  
 CTCCCTGATTTGGAGCCAGCTGTTCCAGTTGTTACTGAAGTTATCTGTGTTATTTGGACCACTCCAGGC  
 TTTACAGATGACTCACTCCATTCTAGTCACTTGAAGCCAACTGTTGGAAAGTCACTGGAGTCTTGTA  
 CACTTAAGCAGAGCAGAAGTTTTTTGTGGGCTGGGTGGGGGAGAAGACCGACTAACAGCTGAAGTAA  
 TGACAGATTGTTGCTGGTTCATATCAGCTTTATCCCTTGGTAATTATATCTGTTTTGTTTCTTGACTCTG  
 TCCAATCAGAGAATAAACATCATAGTTTCTGGCCACTGAATTAGCCAAAACACTTAGGAAGAAATCACT  
 TAAATACCTCTGGCTTAGAAAATTTTTTCATGCACACTGTTGGAATGTATGCTAATTGAACATGCAATTGG  
 GGAAGAAAAATGTAGAATGATTTTTGCTATTTCTAGTAGAAAAGAAAATGTCTGTTTTCCAAAGATAATG  
 TTATACATCCTATTTTGAATTTTTTGAAGAAAGTTCAATGTTCAAGTTTTCTTAGTTTTACCTTGTT  
 TTCTCTATAGGTCATGATTTCTGTGAAGCAAAAAGATGCCTTTTACCATGAATTCCTGAGTTTACATCAA  
 TAATATTGTATATTAAGGGGATCAGAAGTAGGAAGGAAAAAATAAGAGATAGCAGAGGAAAAAGAAAAAC  
 ATTTCTCTTATAACTTCTGAAGTAATTTGTAAGAAAGATTTGTAGAGTCAATCATGTGTTTAAATTATT  
 TTATCACAAACTTAACATGGAAGATATCCTTTTAACTTTGTGGTAACTTCTTTGAAGTTATTTAGAAA  
 TATCCTTTGGAACAATTATTTATTGTCTAATAAATATTGACTTCTCTGAATTATTTGCGACTAGTG  
 AGTCTGTAACATAAGTATTAATCACCTCCACTCATATTAAGTGATCATTAAAGAACATCAGAAGCTGGCTT  
 CTGCATTTGCTCAGTTATACTTTAATGGTAGTATGTTTTTAGGTGGAATAAATTAATATGTGATTGGTT  
 TCAAGGAAATGTAAGTCTATTATGTAATACTTCCATTTTATAAGATGCCCGTTTCTAATACAATGTGTGTA  
 GGAATTTTGTATGTATGAGGTATGATTGTAAGATTGAGCATTGGAAGGGGATCAGAGACCATGTAG  
 TTCAACTTTCCACTCAAAGTAAGATTTTGAATTTTAAATGATAGTTGTTACTTGGAAACAGCCACTTG  
 AGAGGCTCTTGGTATTGTTTGAAGTTGTTTTAAAGTCAGTTTGAAGTCTCACAAGAAGGTAAGTAGAGT  
 TTCTTAATAGTCACAACCTAATTTGAACCACAAGTATCCAGCTTAATCACGTATCTTACTCACGATACCA  
 CTGGTCCAGATGAGTTTAGTAAATTTCAAACATTAATCCAACCTCAACGGAAACAAATACACTCAAGG  
 GAAGTTATTTTTAAAAAGTACTCTGCATGTTCCCGCAGTAATGTTCTGCACAACAGTATTGTAATTGTA  
 ATGGAATCATAACCTGCTAACTAGTTTGTCTTAAATATGGCTTGAATTCTTGACATTTTTCTTAAAAATTA

**ACGCGT**AAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCG

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_003101.4](#)

**Summary:** The protein encoded by this gene belongs to the acyltransferase family. It is located in the endoplasmic reticulum, and catalyzes the formation of fatty acid-cholesterol esters. This gene has been implicated in the formation of beta-amyloid and atherosclerotic plaques by controlling the equilibrium between free cholesterol and cytoplasmic cholesteryl esters. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Nov 2011]

**Locus ID:** 6646