

Product datasheet for **SC202949**

ACAT2 (NM_005891) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: ACAT2 (NM_005891) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: ACAT2
ACCN: NM_005891
Insert Size: 313 bp

Insert Sequence: >SC202949 3'UTR clone of NM_005891
The sequence shown below is from the reference sequence of NM_005891. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCCGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GGAATAGCAATGTGTGTTTCAGAGAGAAATGATTGCTTAACTTTGAACAACCTCAATTTCTTTTAAAC
TAATAAAGTACTAGGTTGCAATATGTGAAATCAGAGACCAAAGTACAGATGGAAACCATTTCTACAT
CACAAAACCCAAGTTTACAGCTTGTACTTTACTTTAATGTGTAATACTCAACTCAAGGTACAAGACAA
TTGCATTTAACATTGTTATAAATAAAAGGAACATCAGATCAATCATTAAAGGGCTCCAGAGTGAACAGCA
TCTTCATAACTTCCATGTTTATCATCTTTACTTTCTG
ACGCGTAAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

Restriction Sites: Sgfl-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_005891.3](#)



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Summary: The product of this gene is an enzyme involved in lipid metabolism, and it encodes cytosolic acetoacetyl-CoA thiolase. This gene shows complementary overlapping with the 3-prime region of the TCP1 gene in both mouse and human. These genes are encoded on opposite strands of DNA, as well as in opposite transcriptional orientation. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2014]

Locus ID: 39

MW: 11.7