

## Product datasheet for **SC209651**

### Acetyl CoA synthetase (ACSS2) (NM\_001076552) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** Acetyl CoA synthetase (ACSS2) (NM\_001076552) Human 3' UTR Clone  
**Symbol:** Acetyl CoA synthetase  
**Synonyms:** ACAS2; ACECS; AceCS1; ACS; ACSA; dj1161H23.1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pMirTarget (PS100062)  
**ACCN:** NM\_001076552  
**Insert Size:** 775 bp  
**Insert Sequence:** >SC209651 3'UTR clone of NM\_001076552  
The sequence shown below is from the reference sequence of NM\_001076552. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG  
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC  
TTCAGCCACCGCTGCCTGACCATCCAGTGAACATGATCCTGACCTTTACCTAGGATTCTCTCTGCTCCA  
AACTTTGCCATCCTCTTTGCCCTCAGGAGTGCTGAGGGCCAGTGTTGACCCACACTACCCTCCCTT  
GACCAGCTGTCTGGGACCGGAAACCAGCTTTGTCTCCAGGTAGAGACAACATCCTGTGACTGCCAGGCA  
GAAAGGACAGGGCCAGGTCAGCCTCAGTCTGCTGCTGCCCTCCAGACTGCAGAGCTCTCAGAACCCAGAA  
CAGAGACGAAAAGCTACCTCTCTACCCAAGTTAAGTGTCAAAGGGGATGTGAGGGCCTCCACTGAA  
GCAGGGAGGCAGCTGTGTAATCCTATGTGAGCTCTTTAGGAAGCCCCAGTACTTATATTGGGCATGCA  
CTTGCCCTAAAAACAATGATTTGTGAGTCCAGGAACAATTTACTATTTTAAAAATTTTGTGCTGCTTC  
TGTTCTGGGTCTGAATCCCTTTTGTGCCAGATGCCAGTACTGTCTGCCATTGGCTCCAGGGGCTGTA  
TGGGCAGATTCACTCCAGAGGGTATTCAGATCATCTGCTTCTTTGAAGGAGTAAATGTGTTTTGTTC  
CTAGGGCCAGAGGAGCTTGCTCTCCTTGTCTCTGTTCCACCCTCCCCTGAACAGAACCAGCCATA  
AGAGACATTCTCAGATGAAACTGTGTTTCTTGCCCCAGTCAGGCTCAAGCCCTGTGTTGTAGGAATA  
AAGCCTGTGATCTCAA  
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA  
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
```

**Restriction Sites:** Sgfl-Mlul



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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.
<b>RefSeq:</b>	<a href="#">NM_001076552.3</a>
<b>Summary:</b>	This gene encodes a cytosolic enzyme that catalyzes the activation of acetate for use in lipid synthesis and energy generation. The protein acts as a monomer and produces acetyl-CoA from acetate in a reaction that requires ATP. Expression of this gene is regulated by sterol regulatory element-binding proteins, transcription factors that activate genes required for the synthesis of cholesterol and unsaturated fatty acids. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2009]
<b>Locus ID:</b>	55902
<b>MW:</b>	28