

## Product datasheet for **SC211673**

### ACSM2A (NM\_001010845) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** ACSM2A (NM\_001010845) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** ACSM2A  
**Synonyms:** A-923A4.1; ACSM2  
**ACCN:** NM\_001010845  
**Insert Size:** 1026 bp  
**Insert Sequence:** >SC211673 3'UTR clone of NM\_001010845  
The sequence shown below is from the reference sequence of NM\_001010845. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AAGATGTCCGAAAAGCCCGTGCGCAGTGAACATCTAAGAGACATTCATTGGATTCCCCTCTTCTTT
CTCTTTCTTTCCCTTTGGGCCCTTGGCCTTCTATGATTATATGAGATTCTTTATGGAAGAACATGAA
TATAAGTTTTGTCTTGCCTTGGTTATTAGCACAAAACCTTACCATGTTAGATGTTGAAAGAAGAAAGGG
AAGGAATGAGAGAGAGTAAAAGGAGAGGGTAACAGAAAAAAGGAAAGAAAAGTAAAGTCAGGGAATA
TTAAAAGTGAAGGGAAGCAATTGAAAAAGAAATAAAGTAGGAAAGAAAGGAGAGAGGAAGCAAGGGA
AGGAGGAAGAAAGGAAAGAGGAGATGAAAGGGGAGAAAAGATAGAAGAAAAATAATTGAAGGGAGAAT
CAGAAAAATAAGAGCAGAAAGGAAAGAAATAAAGAGAGAAAGAGAAAGAAAGAGCAAAAGAACAC
AAGAAAGAAAGAGAGGGAGAAAGAGAGGGAGAAAGGGAGAAAAAAATGTAAAAATAAAATAGTAA
AAGAAACTGATAAAGAAAAGTAATGGAAGACAGGAAGAAAGAAAGAAAGGAAGTAAAGAGGAAAACCT
ATAAATATCCACAGATAGACAAAGTCAAGCATAAAACCTGGAGCTTGAGAAGGAAATGAAAGGCCGTG
GCACCTTCTTATACCCTAGAAGAAGACCTCCATACAGGAAGACTTGTGTGTGGGGTTGGGACATTAGAA
TCATCCACAAGTCACCCCAAACCTTGAAGTGTGAGGGTCAAGGGGAACCAACCTTTATTAAGCATTT
GCCATGTGCCAGGCACTAACCCAGATGCATTATAAATACCACGTTGTTTCACCTGTGTGTGGCATCTAC
AGACCTTAGATCATAGCTGTGAGAAACAGTAAGCACTGCCAAAGTTATCAGCTACCCATATCTCATGT
TTTTGATGTTATCTACTTCTCTAGAAATCAAATATTTAAATAATTTTAAACCAAAAAA
ACGCGTAAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**Restriction Sites:** Sgfl-MluI



[View online »](#)

<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_001010845.2</a>
<b>Summary:</b>	This gene encodes a mitochondrial acyl-coenzyme A synthetase that is specific for medium chain fatty acids. These enzymes catalyze fatty acid activation, the first step of fatty acid metabolism, through the transfer of acyl-CoA. These enzymes also participate in the glycine conjugation pathway in the detoxification of xenobiotics such as benzoate and ibuprofen. Expression levels of this gene in the kidney may be correlated with kidney function. This gene and its paralog ACSM2B (Gene ID: 348158), both present on chromosome 16, likely arose from a chromosomal duplication event. [provided by RefSeq, May 2017]
<b>Locus ID:</b>	123876
<b>MW:</b>	40.5