

## Product datasheet for **SC211546**

### ATP citrate lyase (ACLY) (NM\_198830) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** ATP citrate lyase (ACLY) (NM\_198830) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** ACLY  
**Synonyms:** ACL; ATPCL; CLATP  
**ACCN:** NM\_198830  
**Insert Size:** 922 bp  
**Insert Sequence:** >SC211546 3'UTR clone of NM\_198830  
The sequence shown below is from the reference sequence of NM\_198830. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TATGTTCTTCCGGAACACATGAGCATGTAAACAGAGCCAGGAACCCTACTGCAGTAACTGAAGACAAGA
TCTCTTCCCCCAAGAAAAGTGTACAGACAGCTGGCAGTGGAGCCTGCTTTATTTAGCAGGGCCTGGA
ATGTAAACAGCCACTGGGTACAGGCACCGAAGACCAACATCCACAGGCTAACACCCCTTACGTCCACA
CAAAGAAGCTTCATATTTTTTTATAAGCATAGAAATAAAAACCAAGCCAATATTTGTGACTTTGCTCT
GCTACCTGCTGTATTTATATATGGAAGCATCTAAGTACTGTCAGGATGGGGTCTTCTCATTGTAGGG
CGTTAGGATGTTGCTTTCTTTTCCATTAGTTAAACATTTTTTCTCCTTTGGAGGAAGGGAATGAAAC
ATTTATGGCCTCAAGATACTATACATTTAAAGCACCCCAATGTCTCTTTTTTTTTTTTACTTCCCT
TTCTTCTCCTTATATAACATGAAGAACATTGTATTAATCTGATTTTTAAAGATCTTTTGTATGTTAC
GTGTTAAGGGCTTGTGGTATCCCACTGAAATGTTCTGTGTTGCAGACCAGAGTCTGTTTATGTCAGG
GGGATGGGGCCATTGCATCCTTAGCCATTGTCACAAAATATGTGGAGTAGTAACTTAATATGTAAGTT
GTAACATACATACATTTAAAATGGAAATGCAGAAAGCTGTGAAATGTCTTGTGTCTTATGTTCTCTGTA
TTTATGCAGCTGATTTGTCTGTCTGTAAGTGTGGGTTCAAGGACTCCTAACTACTTTGCATCTG
TAATCCACAAAGATTCTGGGCAGCTGCCACCTCAGTCTCTTCTGTATTATCATAGTCTGGTTAAAT
AACTATATAGTAAACATGAAGGCA
ACGCGTAAAGCGCCGCGGCATCTAGATTGCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**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).



[View online »](#)

<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_198830.2</a>
<b>Summary:</b>	ATP citrate lyase is the primary enzyme responsible for the synthesis of cytosolic acetyl-CoA in many tissues. The enzyme is a tetramer (relative molecular weight approximately 440,000) of apparently identical subunits. It catalyzes the formation of acetyl-CoA and oxaloacetate from citrate and CoA with a concomitant hydrolysis of ATP to ADP and phosphate. The product, acetyl-CoA, serves several important biosynthetic pathways, including lipogenesis and cholesterologenesis. In nervous tissue, ATP citrate-lyase may be involved in the biosynthesis of acetylcholine. Multiple transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Dec 2014]
<b>Locus ID:</b>	47
<b>MW:</b>	35.1