

## Product datasheet for **SC211547**

### ATP citrate lyase (ACLY) (NM\_001096) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	ATP citrate lyase (ACLY) (NM_001096) Human 3' UTR Clone
Symbol:	ATP citrate lyase
Synonyms:	ACL; ATPCL; CLATP
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001096
Insert Size:	922 bp
Insert Sequence:	>SC211547 3'UTR clone of NM_001096 The sequence shown below is from the reference sequence of NM_001096. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TATGTTCTTCCGGAACACATGAGCATGTAACAGAGCCAGGAACCCCTACTGCAGTAACTGAAGACAAGA
TCTTTCCCCCAAGAAAAGTGTACAGACAGCTGGCAGTGGAGCCTGCTTATTTAGCAGGGCCTGGA
ATGTAACAGCCACTGGGTACAGGCACCGAAGACCAACATCCACAGGCTAACACCCCTCAGTCCACA
CAAAGAAGCTTCATATTTTTTTATAAGCATAGAAATAAAAACCAAGCCAATATTTGTGACTTTGCTCT
GCTACCTGCTGTATTTATATATGGAAGCATCTAAGTACTGTCAAGATGGGGTCTTCCTCATTGTAGGG
CGTTAGGATGTTGCTTTCTTTTCCATTAGTTAAACATTTTTTTCTCCTTTGGAGGAAGGGAATGAAC
ATTTATGGCCTCAAGATACTATACATTTAAAGCACCCCAATGTCTCTTTTTTTTTTTACTTCCTT
TTCTTCTCCTTATATAACATGAAGAACATTGTATTAATCTGATTTTTAAAGATCTTTTTGTATGTTAC
GTGTTAAGGGCTTGTTGGTATCCCACTGAAATGTTCTGTGTTGCAGACCAGAGTCTGTTATGTCAGG
GGGATGGGGCCATTGCATCCTTAGCCATTGTACAAAAATGTGGAGTAGTAACCTAATATGTAAAGTT
GTAACATACATACATTTAAAATGGAATGCAGAAAGCTGTGAAATGTCTGTGTCTTATGTTCTCTGTA
TTATGACAGCTGATTTGTCTGTGTAAGTGTGGGTCCAAGGACTCCTAACTACTTTGCATCTG
TAATCCACAAAGATTCTGGCAGCTGCCACCTCAGTCTCTCTCTGTATTATCATAGTCTGTTTAAAT
AAACTATATAGTAACAATGAAGGCA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI



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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_001096.3</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