

## Product datasheet for **SC209895**

### ACAT1 (NM\_000019) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	ACAT1 (NM_000019) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	ACAT1
Synonyms:	ACAT; MAT; T2; THIL
ACCN:	NM_000019
Insert Size:	243 bp
Insert Sequence:	>SC209895 3'UTR clone of NM_000019 The sequence shown below is from the reference sequence of NM_000019. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site  GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GCTTCTGCCATGCTAATTCAGAAGCTGTAGACAACCTCTGCTATTTAAGGAGACAACCCATGTGACCA GAAGGCCTGCTGTAATCAGTGTGACTACTGTGGGTCAGCTTATATTCAGATAAGCTGTTTCATTTTTTA TTATTTTCTATGTTAACTTTTAAAAATCAAATGATGAAATCCCAAACATTTTGAAATTAATAATAA TTTCTTCTTGCTTTTTTCTTGTAACCTTGAAAA ACGCGTAAGCGGCCGCGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
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).
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:	<u><a href="#">NM_000019.4</a></u>



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**Summary:** This gene encodes a mitochondrially localized enzyme that catalyzes the reversible formation of acetoacetyl-CoA from two molecules of acetyl-CoA. Defects in this gene are associated with 3-ketothiolase deficiency, an inborn error of isoleucine catabolism characterized by urinary excretion of 2-methyl-3-hydroxybutyric acid, 2-methylacetoacetic acid, tiglylglycine, and butanone. [provided by RefSeq, Feb 2009]

**Locus ID:** 38

**MW:** 9.4