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Product datasheet for SC218496

ACAT1 (ACACA) (NM_198834) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ACAT1 (ACACA) (NM_198834) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	ACACA
Synonyms:	ACAC; ACACAD; ACC; ACC1; ACCA
ACCN:	NM_198834
Insert Size:	2000 bp

View online »

Insert Sequence:

>SC218496 3'UTR clone of NM_198834
The sequence shown below is from the reference sequence of NM_198834. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CTCTCCACAATGGATTCCCCTTCCACGTAGGAAGAGCTTCCTGCCTGTCCCTGCCCTGTCTCTGGAGAA
AAGGGCTAGAGCTGCCTTTTACAACTGTAACCACTGTAATGAGAAGGCACAGGAGACCCAGCACTGGAG
TCAAATGGCATTTTACTTCCTCTCGTTTCAGGTTATGCATGACATCCTGGGATGTAAGATCACAGAATC
CCCCTCCAGCCCACCAGTCACACCTACCCCATTCAGTATTTATTACCCTGGCCAGGCCTAGTCCTCCAC
TCCCTGCACAGGACTGAGAAGGCAATGAAAGGTACAAACATGTACCATGAGGTCTTACTAACCAAAGTA
GGGCTGCCCCTCCTGTCCTGACAGCCCCTTGGCCTCCCAGCATGGGGAAGCGTGAGGAGTTGCCCAGCA
GTGAGCAGCCCCCCTCACTCCTGGCCCCATGAGCCGCAGCCACAGGCAGCAGAGGAGGGCTAAGGAGAG
GAGGAAGCCTCAAGTCCATTGTTTATTACCCCGACTCTTAGCCCAGCACACAGTAGGCACTGGAGAGGA
ATGATTCCCAGTTTAACCACACTACGGTACCTTTTATGAAGAAAAATTAGAGCATAAAATCTACTACAA
GCTCCATAGGAACTCAAAGATGAGGGCAAAACTGTGAGCCAAGAAGCAGAGAAAGAAAATAGAACCAGT
TATTCTTGATTTAGGGGACCTCAACCTTGGGTTCAGTCTCTGAGGACAAAGGGAAAGGTAGTTGTTGGC
CTGCCTCTCGCCTGCACGTCACTGCTGGACTAGCTGTCGCATGTGGCTGGGAGCTGCAAGGCCAGTGCT
TGAGGGGCCCCAGCAGTTCCACAGGTGGTGAAGCCTGAGTTGGCAGAGGAGGAGCCAGAAGAGAACTGC
CCTTTCTGCACTGGTGGAAACTAGTTATTTATGCCATGTGGAGAGCCAGTGAGATAGATAGATAGTCTG
TTTGTTTTGAGGACTTGGAAAGTTGTTCCTATGAAGCCTGGAGCTTGGATGGTTTTGAGAGGTTAATGG
TGCCTCCACACTCACTCTTCCCTAGTTCCAGGATTACTGTCCTAGCAGCTAACGGTTCTACTCTCTTCC
CCAGAGTGTAGACAGGCAGCAGGTCTCCCCACAGCTCTGAAAGGACCCTGGTGACAGCTACACCCTCAG
CACCAGGAGCTGGCCTTCCTGATGAGGGAGGCTTCCAGGAAACACAGAATCCACATGACCTTAAGATTA
TTTACAACTCAGTCATGGTGCTGCTGTCCTCCAGGCTTACTGGCCCCTCCTGACTGGCATCAGGGGCTT
CCTCAGGTGGTGGAGAGAGTTTACTTTCAACAACTAGTTTATTCAAGAAAAGAACTTACTGATTCCTCT
GTTCCTAAAGCAAGAGTGGCAGGTGATCAGGGCTGGTGTAGCATCCGGTTCCTTTAGTGCAGCTAACTG
CATTTGTCACTGATGACCAAGGAGGAAATCACTAAGACATTTGAGAAGCAGTGGTATGAACGTTCTTGG
ACAAGCCACAGTTCTGAGCCTTAACCCTGTAGTTTGCACACAAGAACGAGCTCCACCTCCCCTTCTTCA
GGAGGAATCTGTGCGGATAGATTGGCTGGACTTTTCAATGGTTCTGGGTTGCAGGTGGGCACTGTATGG
CTGGGTATGGAGCGGACAGCCCCCAGGAGTCAGAGCCTCAGCCCGGCTGCCCTGGTGGAAGGTACAGGT
GTTCAGCACCTTCAGAAAAGGGCATAAAGTGGTGGGGGACAATTCTCAGTCCAGGAAAATGCATTGACC
ATTGCTGGCTATTTGCTTACCTAGTAAGAATTGGATTCATTTTTGACCAGATTATTCTTCTATGCTTTT
TTGCAATAAATCAAATCCCACATATCTACAAGTGGTATGAAGTCCTGCACCCCCCAGGAGGCCTGTCCA
GGCATGTCTTCAGAGGCAGGGTGGGTTACACTCATTTACCTCCCCTCTCCCCACCAAATTATGACACA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

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: NM_198834.3

Summary: Acetyl-CoA carboxylase (ACC) is a complex multifunctional enzyme system. ACC is a biotin-containing enzyme which catalyzes the carboxylation of acetyl-CoA to malonyl-CoA, the rate-limiting step in fatty acid synthesis. There are two ACC forms, alpha and beta, encoded by two different genes. ACC-alpha is highly enriched in lipogenic tissues. The enzyme is under long term control at the transcriptional and translational levels and under short term regulation by the phosphorylation/dephosphorylation of targeted serine residues and by allosteric transformation by citrate or palmitoyl-CoA. Multiple alternatively spliced transcript variants divergent in the 5' sequence and encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Locus ID: 31

MW: 73.2