

## Product datasheet for RN206624

### Acacb (NM\_053922) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Acacb (NM_053922) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Acacb
Synonyms:	Acc2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN206624 representing NM_053922 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGTCTTGCTTCTTTCTGACTTACCTGGTTTTCTCCTGCCTGACCATTTCTGGTTAAAAATCTGGG  
GGAAGATGACAGACTCGAGGCCGCTCAGCAACAGTAAGGTGGATGCAAGCCTCCTCCGAGCAAGGAGGA  
GTCTTTTGCCTCGGACCAGTCAGAGGAGCATGGCGACTGCAGCTGTCCGTTGACAACTCTGACCAGGAG  
GAGCTGGCCTCCACGGAGGTCCTGTAGATGCCAGTCAGCAGAGGAACTCTGTACCAACCTCACACCAGA  
AGCCTCCGAGGAACCCACTATCTTCCAATGACACCTGTTCTCCCGAAGCTCCAAACCAACGGGGTAGC  
AGCACCTGGCTCAGAGGTTCCAGAAGCCAACGGGTTGCCTTTCCAGCCAGGCCTCAGACCAGAGAACG  
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GCTCCCTCGATGACAACCTCTGACGAGGACCCTAGTTCTAACTCCTTTCCAGACCTCCTCTCGGAAGGG  
CAGCAGGGATAGCCTGGGCACCTGTTCCAGGAGGCTGCATTGAACACAGCTGATCCTGAGTCTCACACA  
CCTACTATGAGGCCCAGCATGTCTGGACTCCATCTGGTGAAGAGAGGCCGTGAACACAAGAACTGGACC  
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CGTTGAGCTGATCATAGACATTGCCAAGAGAATCCCTGTGACGGCCGTGGGCTGGCTGGGGCCACGCT  
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CAATGTTGGGCTGGGAGACAGGCTCTCCTCCACCATTGTAGCCAGACATTGCAGATCCCAACTCTACC  
CTGGAGCGGAAGCGGTCTCACAGTGGAGTGGACGGAGGACAGCCAGCATCAGGGCAAATGCATCAGCGTC  
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GACGAGACTGCTCCATCCAGAGGCGGCACCAGAAGATCATTGAGGAGGCTCCGGCCAACATCGTGCTCC  
GGCTGTGTTTGTAGTTCATGGAACAGTGTGCCGTCTCTGGCCAAGACTGTGGTTATGTGAGCGCGGGA  
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ATTGTGGGGCTCCCCAGAGAAGTACGGGCCGATATCCTGACATACACAGAGCTGGTGTGGACTCCCAG  
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 TCAAGACCCCGGAGTATCCAGAAGGCCGGGACACTATCGTCATCGGCAACGACATTACCTTCAAATCGG  
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 GCTGTCATATATACCAAAGGACAATCAAAGCCAGTCCCATCATCACTCCTTCTGACCCCATCGACAGG  
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 GATTTGGTGAAGACCATAAGGAGGATTGACCCAGTGTGCAAGAACTCCTGGAACCAGTGGGGACACCC  
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 ATTTCTGATGCTCCTGGAGTGAAGACCACAGTACTTACTTCTACTGGAGGCTGCGCCGGCTGCTGCTGG  
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 CAGTGGCTGGAACAGCACTGGTCAGCCAGGGACAACCTGCGTTCCACTATCCGAGAGAACCTCAATTATC  
 TGAAGCGGGACTCTGCTCCTCAAGACCATCAAAGCCTAGTTCAAGAACACCCAGAGGCGACCATGGGACT  
 GTGTGGATACCTGAGCCAGCACCTCACGCCGCTGAGCAGATGCAGGTGGTTAGCTGCTGTCGACCAGC  
 GAGAGCCAGCTTCCACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

Sgfl-Mlul

**ACCN:**

NM\_053922

**Insert Size:**

7371 bp

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**Components:**

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_053922.1](#), [NP\\_446374.1](#)

**RefSeq Size:** 7371 bp

**RefSeq ORF:** 7371 bp

**Locus ID:** 116719

**Cytogenetics:** 12q16

**Gene Summary:** catalyzes the carboxylation of acetyl-CoA to malonyl-CoA during fatty acid biosynthesis; involved in fatty acid oxidation and insulin secretion signaling [RGD, Feb 2006]