

## Product datasheet for **MC225286**

### Acaca (NM\_133360) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Acaca (NM\_133360) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Acaca  
**Synonyms:** A530025K05Rik; Acac; Acc1; Gm738  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC225286 representing NM\_133360  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGATGAACCATCTCCGTTGGCCAAAACCTCTGGAGCTAAACCAGCACTCCCGATTACATAATTGGGTCTG  
 TGCTCTGAAGACAACCTCAGAAGATGAGATCAGTAACCTGGTGAAGCTGGACCTAGAAGAGAAGGAGGGCTC  
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CAGATGAGGGGTTTAAGCCCAGCTCTGGAACAGTTCAGGAACTTAATTTTCGTAGCAATAAGAACGTTTG  
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ACAATAATAAGGACCTGGTGGAGTGGCTGGAGAAGCAACTGACAGAGGAAGATGGCGTCCGCTCTGTGAT  
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CCAGAAGTCGCCATGGACTCCATCGTCCACATGACCCAGCACATCTACCCACCCAGCGAGCAGAAGTTG  
TAAGGATCCTCTCCACTATGGATTCCCCTTCCACGTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_133360
- Insert Size:** 7038 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:	<a href="#">NM_133360.2</a> , <a href="#">NP_579938.2</a>
RefSeq Size:	9054 bp
RefSeq ORF:	7038 bp
Locus ID:	107476
UniProt ID:	<a href="#">Q5SWU9</a>
Cytogenetics:	11 C
Gene Summary:	Catalyzes the rate-limiting reaction in the biogenesis of long-chain fatty acids. Carries out three functions: biotin carboxyl carrier protein, biotin carboxylase and carboxyltransferase. [UniProtKB/Swiss-Prot Function]