

## Product datasheet for **MC223410**

### Acad10 (NM\_028037) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Acad10 (NM\_028037) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Acad10  
**Synonyms:** 2410021P16Rik  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC223410 representing NM\_028037  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGC**C

ATGTTGGTAAGAAGACTTTCCAGCCTTCCACTCTGCACTGGGCATGGAGGACCACGGCCCTGAACCATC  
CCCTGGGCAGGCATCAGGGAGGCCTCCGCTGGACACATTCTGGAGCCGAAGCTACAGAGCAGTCATTTT  
TGACACGGGCGGAGTTCTCGTGCCTTCTCCAGGGACAGTGGCTGTGGGCTGGGAGGTGCAGAATCATGTC  
CCTTCTGGAATATAGTGAAGGCTTTCATCAGAGGTGGCGACAGTGGCCCTGGATAAAGTTTATAAAAG  
GAGAGATAACGACCGAGCACTTCTTGAAGAATTCTGGGAGACTGTGCTCTGAAATCGCAAAGACTCCGT  
GCCCGTAGCTCCTATTTCTCTCTGCTGACCAGTGAGCAGGTGACAAAGCAGTTCGCCGTGATGACTCAG  
GCCATCTCTCAGATCAGAGCAAAAGGCCTCCAGACTGCAGTCTCACCAACAACCTTTCATCTTTCCAGCG  
GGGAAAGCTTCTGCCCTGGACCGAAACAGTTTGTGTGGTGGTTGAGTCCTGCCTGGAAGGCATCTG  
TAAGCCAGATCCCAGGATATCCAGCTGTGCCTGCAGAGGCTGAGCCTGCAGCCCTCAGAGGCTATTTTT  
CTTGATGATCTGGATCCAATCTAAAAGTGGCTGCCAGCCTGGCATTACACCATCAAGTTGACAGGC  
CCGAGACAGCAGTGAAGGAGCTGGAGGCTCTACTGGTTTCCCAGTGCCTGGGGCTTCCCAACACCCCG  
GCCTGTGAGGAAGACCATGGCGATTCCACAAGATGCCTTGGAGAAGTACCTGAAGGGCTTGTGGGGACC  
CACTCCACCGGCCCATGGAGCTCCTTCACTTTGATCATGGACAGTCAAACCAACGTAACATACAGGC  
TGGCTGACCGTCAGCTGGTCTGAGGAAGAAACCTCGGGGACCTCCTCCCTCTGCCATGCCATAGA  
AAGGGAATTCAGGATCATGAAAGCCCTTCAAATGCAGGAGTCCCTGTCCCTACTGTTCTTGACCTCTGT  
GAAGACTCAAGCATCATCGGCACCCCTTCTACTTGATGGAGTACTGCCCGGCATCATCTACAAAGACC  
CCTCCCTGCCCGCTTGGAGCCAGCCGGCGGAAGCCATATACACTGCCATGAACCAAGTCTGTGCAG  
AATTCACAGTGTGACCTGCAGGCCACCAGCCTGGACAGCTTCGCAAGCAAGGGGACTATATTCCTCGA  
CAGGTGCAAACCTGGACCAAGCAGTACCGAGCAGCAGAAACCAGCAGCATCCAGCAATGGAGAGGCTTA  
TCCAGTGGCTGCCACTGCACCTTCCAGGCAACAGAGAACCACGCTGGTGCATGGTGACTTCAGGCTGGA  
CAACCTGATATTCATCCTGAAAAGCGGAAGTGTCTGCTGCTGGACTGGGAACCTTCCACCTTAGGA  
GACCCCTTTGCTGATGTGGCCTACAGCTGCCTGGCCTACTACCTGCCATCCAGCTTTCACCTTCTGAGAG



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GGTTCAGAGACCAGGATGTGACAAAGCTGGGCATCCCCACTGTGGAGGAATACTTCAGGATGTA
TAAATGAGGATCCCACCCATCGACAAGTGAAGTCTACATGGCTTTCTCCTTTTCCGGTGGCTG
ATCCTACAGGGAGTCTACAAGCGGTCACTCACAGGCCAGGCAAGCTCAGCAACAGCCCAACA
AGTGGAAAGCTCACTGAGTCCATGGCTGAGCTGGCTGGGATTTTCCACCAAGAAGGGTTCC
GAGGTTTCAAAGAATGCCAGCCACCAAACTGAGCAGATCCTACCATGCCTGGCGGGACCGAG
GTTCCCGAGGACTCCAAAGGGTGTAGGGGTACAGCACTGTAGCAGCTGCTTCCCCTTCTCAG
GAGCAAAAGGGAGGCCTGGTCACTCTCCAGAGGGCCTGTCTCCGCGTACAGAAAGTTGTAT
GAGCAGCTGGTGCAGTTTATAGAACAGAAAGGTACCCCTGGAGCCAGAGCTGCAGAGACACC
AGGCCTCGGCCGACAGGTGGAGCCCTTCCCGCTGATAGAAGACCTCAAGGAGAAAGCCAAAG
GCTGAGGGACTTTGGAACCTTTTCTACCTTGGAGACTGATCTGAGAAAAAGTACGGAGCAGG
GCTGACTAACGTGGAATATGCACATCTGTGTGAAGTATGGGCATGCTCTGTATGCTTCTGAG
ATTTAATTGCTGCCCCGGATACGGGGAATATGGAGATCCTGGTGCAGTATGGCACTGAGGAG
CAGAAGGCCCGCTGGCTGGTGCCTGTTGGAGGCAGGATCCGTTCTTGCTTTGCCATGACTG
AGCCTCAGATGCCTAACATCGAGGCTTCCATCAAAGAGGAAGATGGCTGCTATGTCATAAA
TGGTCAACAAGTGGTGGACCTCAGGCATCCTGGATCCTCGATGCAAACCTGTGTGTTTATG
GGGAAAACAGACCCACAGGCCCAAGGCACCAGCAACAATCTATGCTTTGGTTCCCATGGAC
TCCGAGGAATCACAGTCATCCGGCCTGTGTCAGTGTGGTTGGAGGATCCTCCAGGTGGCCAC
GGTGAAGTACGGTTCAAGGACGTGCGTGTGCCAAGGAAAACATACTCCTGGGCCCTGGCCG
AGGCTTTGAGATCGCTCAGGGCAGGCTGGGGCTGGCCGGATTCATCACTGCATGAGGTTGAT
TGGGTATTCAGAGAGGGCCCTGGCACTCATGAAGACACGGGTGATGTCCCGCACGGCCTTC
GGGAAGCCCTTGTGGAGCAGGGCACCATCCTGGCAGACATTGCCCGGTACGTGTGGAGAT
CGAGCAGGCCGGCTGTGGTGTGAAAGCTGCTCACCTCATGGATGTGGCCGAAATAAGACTG
CAGCTTTAGACATTGCAATGATTAATAATGGTGCCTCCCTCCATGGCCTATCACGTAATTG
ACCGCGCTATTACGGCCTTTGGAGCAGCGGGCCTCAGCAGTGACTACCCCTGGCTCAGTT
CTTTGGCTGGGCCGAGCCCTGCGCTTCGCTGATGGCCCTGATGAAGTACACCAGCTGACAG
TGCTAAGATGGAAGTGAAGAATCAGTCCAGGATGCAGGAACCAGCAGTGCCAGAGTGTAG
    
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**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-MluI

**ACCN:**

NM\_028037

**Insert Size:**

3210 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\\_028037.4](#), [NP\\_082313.2](#)
**RefSeq Size:**

3621 bp

RefSeq ORF: 3210 bp  
Locus ID: 71985  
UniProt ID: [Q8K370](#)  
Cytogenetics: 5 F  
Gene Summary: Acyl-CoA dehydrogenase only active with R- and S-2-methyl-C15-CoA.[UniProtKB/Swiss-Prot Function]