

## Product datasheet for MC223456

### Adcy4 (NM\_080435) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Adcy4 (NM\_080435) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Adcy4  
**Synonyms:** mKIAA4004  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC223456 representing NM\_080435  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCCCCTCTTCAGTCCCCGGCCTCTCCAGCGAAGATCTTTCTACGAACTTACTACAGCCTGA  
GCCAACAGTACCCACTGCTGATACTGCTTTTGGTCATTGTGCTCTGCGCGCTGGTGGCACTGCCCGCGT  
CGCTGGGCCAGCGGCAGGGAGCTGACCTCAGACCCAAGCTTCCGACAAGTGTGCTGTGTGCTTTGGGT  
GGCTTCTCTGCTATTGGGGCTTGCTTCCCGGAGCAGCAACTGCAGCGATGGACACGACTCTTTCTG  
GTCTCATATGGGTTGCATTACTGGCTCTGGGCTATGGATTCTGTTCAGTGGGGGTGGGTGAGCGCCTG  
GGACCAGGTGCTTTTTTCTCTTCATCATCTTACCCTGTACGCCATGCTGCCCTTGGGCATGCGGGAT  
GCTGCTGCTGCGGGAGTCATCTCATCCCTCTCGCACCTGCTGGTCTTGGACTGTATCTTGGGTGGCAGC  
CTGAGTCACAGAGAGCTCTGCTACCACAGTTGGCAGCAAACGCGGATTGTTCTGTGTGGGAACGTGGT  
GGGAGCGTACCACAAGGCCCTGATGGAGCGAGCATTGCGGGCCACGTTCCGGGAGGCTCTAGCTCTCTG  
CACTCACGCCGGAGGCTGGACACTGAGAAAAAGCACCAGGAGCACCTCTTGTCTATCCTTCTGCTGCCT  
ACCTGGCCCGAGAGATGAAAGCAGAGATCATGGCCCGGCTGACGGCTGGACAGCGCTCACGGCCAGAGAA  
CACAAACAATTTACAGCCTGTATGTCAAGAGGCACCAAGGAGTGTGCTGTATGCTGACATCGTG  
GGCTTACGCGGGCTGGCCAGCGAGTGTTCCCGAAGGAGCTGGTCTCATGCTGAATGAGCTCTTTGGCA  
AGTTTCGACCAAATTGCCAAGGAGCACGAATGCATGCGGATCAAGATCCTGGGAGACTGTTACTACTGTGT  
CTCCGGGCTGCCCTCTCGCTGCTGACACGCTATCAATTGTGTGCGCATGGGGCTGGACATGTCCCGG  
GCCATCAGGAACTTCGGGTAGCCACCGGTGTGGATATCAACATGCGTGTGGCGTGCACCTCGGGCAGCG  
TTCTCTGTGGAGTCATTGGGCTACAGAAGTGGCAGTATGATGTCTGGTCCCATGATGTCACATTGGCCAA  
CCATATGGAAGCAGGCGGTGTACCAGGACGAGTGCACATCACAGGGCCACGCTGGCCCTGCTAGCAGGA  
GCTTATGCTGTGGAGAGGGCAGACACGGAACACCGAGACCCATACCTTCGGGAGCTAGGAGAACCTACAT  
ACCTGGTCATTGATCCTCGGGCTGAGGAGGAAGACGAGAAGGGCACCGCAAAAGGATTGCTGCTTCTCT  
GGAGGGGCACACGATGCGTCCGTCACTACTGATGACTCGTATCTGGAGTCTTGGGGTGCAGCCAAGCCT  
TTCGCCACCTAAGCCACCTTGACAGTCCCGTGTCCACCTCCACTCCACTCCCGGAGAAAGCCTTACGCC



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CCCAGTGGAGCCTGGACCGGAGTCGCACCCCCGGGGACTAGATGATGAACTGGACACTGGTGTGCTAA
GTTCTTCCAGGTCATCGAACAACTCAACTCTCAGAAACAGTGGAAGCAGTCGAAGGACTTCAACCTCCTG
ACGCTGTACTTCAGAGAGAAGGAGATGGAGAAACAGTATCGGCTCTCTGCACTCCCCGCCTTCAAATACT
ACGCAGCCTGCACCTTCTGGTTTTCTGTCCAACCTCACTATCCAAATGCTGGTGACAACAGGCCCCCC
AGCTCTGATCATCACCTACAGCATCACCTTCTTCTCTTTCTCTCTCTTCTCGTCTGCTTCTCAGAG
CACCTGACGAAGTGTGTCCAGAAAGTCCCAAGATGTTGCACTGGCTGCCTGCACTGTCTGTCTGGTGG
CCACAGGCCAGGATTTTCGAGTAGCCCTGGGTACGGCCACCATCCTCTGGTATTCACTATGGCCATCGC
CAGCCTGCTCTTCTTACCAGTGTATCAGACTGCCTTTTCTGGCTTCCAATGTGTATCTGTGACTTTC
AATGCTTCTGGGAGATGCCAGGATCCCTGCCCTCATCAGCATCCCCCTCATCAGCATCCATACTCCA
TGCATTGTGCGTGTGGGTTTCTCTCTGCTCCCTTTTCTGCACATGAGCTTCAAGTGAAGTGTCT
CCTACTTCTGCTGTGGCTGGTGGCATCTTGTTCCTATTTCTGCATTCCCAGCCTGGCTGTCTGACTGC
CTCATTGCCCGCCTTTATCAAAGCCCTTCGACTCCAGACCAGGGGACTGAAGGAACCCAAAGCTGATGG
GAGCGATCTACTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT
CCTGGACTTCTGTGAAAAAGAACTGAGGCAGGAGCGAGAGGAGACTGAGACAATGGAGAACCTGACC
CGGCTCCTCTGGAGAATGTACTCCCTGCACACGTGGCCCCAGTTCATCGGCCAGAACCAGCGCAATG
AGGACCTCTACCACAGTCGTACGAATGCGTTTTGTGCTCTTTCGCGTCCGTCAGACTTAAAGGAATT
CTACTCTGAATCCAACATCAACCACGAGGGGCTGGAGTGCTGCGGCTGCTCAATGAGATCATTGCTGAC
TTTGATGAGCTGCTCTCAAGCCAAAGTTCAGTGGAGTAGAGAAGATCAAACCTATTGGCAGTACCTACA
TGGCGGCCACAGGCTTAAATGCCACCTCTGGACAGGATACTCAGCAGGATTCTGAGAGAAGCTGCAGTCA
TCTGGGCACCATGGTGGAAATTTGCAGTGGCCCTGGGGTCTAAGCTGGGAGTCAACAAGCACTCGTTC
AATAACTCCGCCTGCGTGTGGGGTTGAACCACGGACAGTAGTAGCAGGGGTGATTGGGGCGCAGAAGC
CACAGTACGACATCTGGGGGAACACAGTGAATGTGGCCAGCCGAATGGAGAGCACAGGCGTTCTCGGCAA
GATCCAAGTGACTGAGGAGACAGCGGGCCCTGCAGTCCCTGGGTTACACGTGCTATAGCAGAGGCAGC
ATCAAGGTCAAAGGCAAAGGGAACTCTGTACCTACTTCTCTGAACACAGACCTGACGCGGACCGGATCTC
CCTCAGCATCTAG
    
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**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_080435
- Insert Size:** 3234 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\\_080435.1](#), [NP\\_536683.1](#)

RefSeq Size:	3414 bp
RefSeq ORF:	3234 bp
Locus ID:	104110
UniProt ID:	<a href="#">Q91WF3</a>
Cytogenetics:	14 C3
Gene Summary:	Catalyzes the formation of the signaling molecule cAMP in response to G-protein signaling. [UniProtKB/Swiss-Prot Function]