

Product datasheet for **MC223565**

Adcy2 (NM_153534) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Adcy2 (NM_153534) Mouse Untagged Clone
Tag: Tag Free
Symbol: Adcy2
Synonyms: mKIAA1060
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223565 representing NM_153534
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTGGCAGGAGGCGATGCGGCGGCGCCGCTACCTGCGGGACCGCGCGAGGCGGCGGCAGCAGCGGGCG
CGGCGGCGGCGAGGGGCTGCAGCGGTCCCGGACTGGCTCTACGAGTCTACTACTGCATGAGCCAGCA
GCACCCTCTCATGTCTTCTGTGCTCATCGTCATGGGCGCCTGCCTCGCCCTGCTCGCGTCTTCTTC
GCGCTCGGGCTGGAGGTAGAAGACCATGTGGCATTTTAATAACCGTTCCCACTGCCCTGGCCATCTTCT
TCGCCATATTCATTCTTGTCTGCATTGAGTCTGTGTTCAAGAAGCTTCTCCGAGTGTTCTCGCTGGTGAT
CTGGATATGTCTGGTTGCCATGGGATACCTGTTTCATGTGCTTTGGAGGGACCGTGTCTGCCTGGGACCAG
GTGTCAATCTTCTTTCATCATCTTCTGGTGTACACCATGCTTCCCTTCAACATGAGGGATGCCATCA
TCGCCAGCGTCCACCTCTTCACTCATACGATAGTGTGAGTGTCTACCTGTCTGCAACACCAGGGGC
CAAGGAGCACCTGTTCTGGCAGATACTGGCCAACGTGATCATTTTCATCTGTGGAACTTGGCGGGAGCT
TACCATAAGCACCTCATGGAACCTGCCCTGCAGCAAACCTATCGGGACACATGTAATTGCATCAAGTCCC
GGATCAAGCTGGAATTTGAAAAACGGCAGCAGGAACGACTTCTGCTTTCCCTGCTGCCTCACATTGC
CATGAAAATGAAGGCTGAAATCATTCAAAGGCTACAGGGACCCAAAGCAGGACAGATGAAAAACCGAAC
AACTTCCACAACCTGTATGTCAAGCGACACACCAACGTGAGCATATTATATGCTGACATTGTTGGCTTCA
CCGCTTGAAGCGATTGCTCCCTGGTGAACCTGGTCCACATGCTGAATGAACCTTTGGGAAGTTTGA
TCAAATTGCAAAGGAGAATGAGTGCATGAGAATTTAAATTTTAGGAGACTGCTATTACTGTGTTCCGGG
CTCCCGATATCTCCCTAACCATGCCAAGAACTGTGTGAAAATGGGACTGGATATGTGCGAAGCCATAA
AGAAAGTGAGGGATGCTACTGGGTCGATATCAACATGCGCGTGGGAGTGCATTCTGGGAACGTTCTCTG
TGGTGTGATTGGTCTCCAGAAGTGGCAGTATGACGTGTGGTCTCATGATGTTACTTTGGCCAACCACATG
GAAGCTGGAGGAGTCCCTGGACGTGTTACATTTCTCAGTCACTCTGGAGCACTTGAATGGGGCTTATA
AAGTGGAGGAAGGAGACGGTGAAGATAAGAGACCCATATTTAAAGCAGCATTTGGTGAAAACCTACTTTGT
AATCAACCCCAAGGGAGAAAGACGGAGTCTCAGCATCTCTCAGACCTCGACACACTCTGGATGGAGCC
AAGATGAGAGCATCTGTCCGCATGACCCGGTACTTGGAGTCTGGGGAGCAGCAAGCCATTTGCACATC



TGCACCACAGAGATAGCATGACCACAGAGAATGGGAAGATTAGCACCACGGATGTGCCAATGGGTCAACA
 TAATTTTCAAATCGCACCTTAAGAACTAAGTCACAGAAGAAGCGATTGGAAGAAGAACTGAATGAAAGG
 ATGATCCAAGCAATTGACGGGATCAACGCACAAAAGCAATGGCTCAAGTCAGAAGACATTCAAAGAATCT
 CCCTGTTTTCTATACAAAAATATAGAAAAAGAAATCGAGCCACTGCACTGCCAGCATTCAAGTACTA
 CGTGACCTGTGCCTGCCTCATCTTCTCTGTATCTTCATTGTACAGATTCTTGTACTGCCAAAAACGTCC
 ATCCTTGGCTTCTCCTTGGAGCTGCATTTCTCTCCCTCATCTTCATCCTCTTTGTCTGCTTCGCTGGAC
 AGCTTTTGAATGCAGCAAAAAGGCCTCTGCCTCTCTTTGTGGCTTTTGAATCATCAGGCATCATAGC
 CAACCGCCCATGGCCACGGATCTCCCTCAGATGTCACCACAGCTATCATACTAACCATGGCTGTGTTT
 AACATGTTTTTCTGAGCAACTCTGAGGAGACAACCCCTCCGACTGCCAATGCATCTAATGCAAACGTTT
 CTGTCCCAGACAACCAGACAGCAATTCTTCATGCACGAAACTTGTTCCTCCCGTACTTCATATACAG
 CTGCATTCTGGGTTGATCTCCTGCTCCGTTTTCTGAGGGTGAACACGAGTTGAAAATGTTAATCATG
 ATGGTGGCACTCGTGGGTACAACATCATTCTGCTCCACCCATGCCCATGTCTGGATGCATACAGCC
 AGGTCCTGTTTCAGAGACCAGGCATTTGGAAAGACCTGAAGACCATGGGCTCTGTGTCCCTCTATATT
 CTTTCATCAGCTGCTCGTTCTGGGTAGACAGAGTGAATATTACTGTAGGTTAGACTTCTTGTGGAAGAAC
 AAGTTCAAAAAGAGCGGGAGGAGATCGAAACCATGGAGAACCTAAACCGAGTGTGCTGGAGAAGCTGC
 TACCTGCACACGTGGCTGAACACTTCTGGCCAGGAGCCTGAAAAACGAGGAGTTGTACCACAGTCCTA
 CGATTGTGTCTGTGCATGTTTGCCTCCATTCCGGACTTCAAGGAATTCTACACGGAGTCAGATGTGAAC
 AAGGAAGGCTTGGAAATGCCTCCGGCTCCTGAATGAGATCATCGCTGACTTTGATGATCTGCTTCCAAAGC
 CGAAGTTCAGTGGCGTTGAAAAGATCAAGACCATTGGTAGCACATACATGGCAGCCACGGGTCTGAGTGC
 TGTACCCAGTCAGGAGCACGCCAGGAACCCGAGCGTCAATACATGCACATAGGCACCATGGTGGAGTTT
 GCATACGCCCTGGTGGGAAACTGGATGCCATCAATAAGCACTCCTTCAACGACTTCAAACCTTCGAGTGG
 GTATCAACCATGGACCTGTAATAGCTGGCGTATAGGGGCTCAGAAGCCACAATATGACATCTGGGGCAA
 CACTGTCAACGTGCTAGTAGGATGGACAGCACCAGGAGTCTGGACAAAATACAGGTGACTGAGGAGACA
 AGCCTCATCCTGCAGACGCTTGGCTACAGTGTACATGTGAGGATCATCAACGTGAAGGGGAAAGGGG
 ACCTGAAGACGTACTTTGTAACACCGAGATGTACGGTCCCTTTCTCAGAGCAACTGGCTTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_153534

Insert Size:

3288 bp

OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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_153534.2](#), [NP_705762.2](#)

RefSeq Size: 4211 bp

RefSeq ORF: 3288 bp

Locus ID: 210044

Cytogenetics: 13 35.55 cM