

## Product datasheet for RN217474

### Adcy7 (NM\_053396) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adcy7 (NM_053396) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Adcy7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN217474 representing NM_053396 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGCCAGCCAAGGGGCGCTACTTCCTAAATGAGGGTGACGAAGGCCCAAGCAGGCAGCGCTCTATGAGA  
AGTACAGGCTCACCAGCCAGCACGGCCACTGCTGCTCCTCCTGGTGGCTGTGCCACCTGCAT  
CGCCCTCGTCAGCATCGTCTTCAGCCATGAGGATCTCCGACAGACCAGGCTGTCTGGGACTGCGTTC  
TTCATGCTGACGCTGTTTGTGGCTCTCTATGTGCTGGTGTATGTTGAGTGCCTAGCACAGCGATGGCTGC  
CGCTCTGGCTCTACTCACCTGGCTTGCCTCATGATACTAGGCTCCGTGCTGATGTGGGACTCCTTGA  
GAATGAAGCCTATGCGTGGGAGCAGGTGCCTTTCTCCTGTTTCATCGTCTTTGTGGTGTACGTACTGTTG  
CCTCTCAGCACGAGGGCAGCTATCGCGGTGGGCTAGCCTCCACCATCTCCCATCTCCTGGTGTGGAG  
CTGTGACAAGAGCCTTCAAGACATCCATGTCCAGCACACAGCTGGGGCTGCAGCTCCTGGCCAATGCCGT  
TATCCTTCTGGGTGGAACTTACCAGTGCCTTCCACAAGCACCAGCTTCAGGACGCTTCGAGGGATCTC  
TTCATCTACACCGTCAAGTGTATCCAGATCCGCCGGAAGCTTCGCGTGGAGAAGCGCCAGCAGGAGAACC  
TGCTGCTTTCAGTCTCCAGCTCACATCTCCATGGGTATGAAGCTGGCCATCATTGAACGCTCAAAGA  
GGGTGGTGACCGCACTACACGCCTGACAACAACCTTTCACAGCCTCTATGTCAAGCGGCACCAGAAGCTC  
AGCATCTTGATGCAGACATCGTGGGTTTACAGAGGCTGGCCAGCGACTGCTCTCCAAGGAGCTAGTGG  
TGGTGCTAACGAGCTGTTTGGGAAGTTTGACCAGATTGCCAAGGCCAACGAGTGCATGCGGATCAAGAT  
CCTGGGTGACTGCTACTACTGCGTGTGAGGCTGCCTGTGTGCTGCCCACGCACGCCCGCAACTGTGTG  
AAGATGGGTCTGGACATATGTGAGGCCATTAAGCAGGTGCGTGAGGCCACCGGAGTGGACATCAGCATGC  
GTGTGGGCATTCACTCTGGGAATGTCCTGTGTGGGGTTCATCGGCTCCGCAAGTGGCAGTATGACGTGTG  
GTCCATGACGTGTCCCTGGCCAACAGGATGGAGGAGCTGGAGTCCCTGGCCGGTGCACATCACAGAG  
GCGACACTGAATCACCTGGACAAGGCATACGAGGTGGAGGACGGGCACGGGGAGCAGCGACCCCTATC  
TGAAGAGATGAACATCCGTACCTACTTGGTGATTGACCCCGGAGTCAAGCAGCCGCCCTACCCAGCCA  
CCACCTGTCCAAGCCCAAGGGGATGCAACTCTGAAGATGCGGGCTTCCGTGCGTGAACCCGCTATCTG  
GAGTCTGGGGGAGCGCGGCCCTTTCACACCTCAACCACGGGAGAGCGTGAGCAGCAGTGCATC  
CCATCCCAACGGACGGAGGAGGAGGAGGCAAGGCCATTCTCTGCGTGCACACCGTCCCTGATAGGAGTGCATC  
CCCAAGGACGCTGGAAGATGACTGTGATGACGAGATGCTGTGAGCCATTGAGGGGCTCAGCTCCACC



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AGGCCCTGCTGCTCCAAGTCTGATGACTTCCACACCTTTGGTCCCATCTTCTGGAGAAGGGCTTTGAGC
GTGAGTACCGCCTGGTGGCCATCCCCGGGCTCGCTATGACTTCGCCTGTGCCAGCCTTGTCTTCGTCTG
CATCTGCTTGTCCACCTCCTAGTGTGCCAGGATGGCAACTCTGGGCTTGTCTTTGGGCTGGTGGCC
TGCCTGCTGGGGCTGGTTCTAAGCTTCTGCTTTGCTACTGAGTTCTCGAGGTGCCTTCCAGCCCCAAGTA
CACTCCAGGCCATCTCGGAGAGTGTGGAGACACAGCCCTGCTCAGACTTCCCTGGTTGTGGTACTGT
TGGCAGCTTACTGACTGTTGCCATCATCAACATGCCACTGACATTTAACCCAGGCCCAGAGCAGCCTGGA
GACAATGAGACAAGCCCACTGGCTGCAAGGAACAGAGTTGGGACCCCATGTGAACCTCCTCCCGTACTACA
CCTGCAGCTGCGTCTGGGCTTCAATTGCATGCTCTGTTTTCTGCGGATGAGCCTGGAAGTGAAGGCCAT
GTTGCTGACGGTGGCCTTGGTGGCTACCTGCTGCTCTTCAACCTCTCCCATGTGGCAGGTCTCAGGC
AACAGCACAGAGACCAACAGCACACAGGACACGTCGGCTCCTGTCTGCAGAACAAAGCATGAACAGCC
ACACCCTTGTCTGGGGCTCAGATGACTGCCCCCTCCCCAGCAGTTGTTTAGAGAGAGACCTGAAGAC
CATGATCAACTTCTACCTGGTCTGTTCTATGCCACCCTCATCTTGTCTAGACAGATTGACTATTAC
TGCCGCTTGGACTGTCTGTGAAGAAGAAGTTTAAAGAAGGAGCATGAGGAGTTTAAACAATGGAGAATG
TGAACCGCTCCTCTAGAGAATGTTCTGCCAGCACATGGCTGCCACTTCATCGGTGACAAGGCAGC
TGAGGACTGGTACCATCAATCTTATGACTGTGTCTGTGTCATGTTGCATCCGTTCCGGACTTCAAAGTG
TTCATACTGAGTGTGATGTCAACAAAGAAGGATTGGAGTGCCTTCGCCTGCTGAATGAGATCATTGCTG
ATTTTGACGAGCTGCTGCTGAAGCCCAAGTTCAGTGGTGTGGAGAAGATCAAGACCATTGGCAGCACCTA
CATGGCTGCTGCAGGGCTCAGTGTCCCCTCAGGACATGAGAACCAGGACCTGGAGCGGAAGCATGTGCAC
ATTGGTGTCTTGGTGGAGTTTAGCATGGCCCTGATGAGCAAGCTGGATGGAATCAACAGGCACTCCTTCA
ACTCCTCCGCTCCGAGTTGGCATAAACACAGGCCCTGTGATTGCTGGAGTGATTGGCCGACGCAAGCC
TCAGTATGACATCTGGGAAACAGTCAATGTTGCCAGCCGATGGAGAGCACCAGGAGACTTGGGAAG
ATCCAGTTACCGAGGAGACGTGCACCATCCTCCAGGGACTGGGATATCTTGTGAGTGCCGTGGGCTCA
TCAACGTCAAAGGCAAAGGGGAGCTGCGGACTTACTTTGTTGTACAGACTGCCAAGTTTCAAGGGCT
GGGGCTAAACTGA

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**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_053396
- Insert Size:** 3303 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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\\_053396.1](#), [NP\\_445848.1](#)  
RefSeq Size: 4164 bp  
RefSeq ORF: 3303 bp  
Locus ID: 84420  
Cytogenetics: 19p11