

## Product datasheet for **RN208260**

### Adcy2 (NM\_031007) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adcy2 (NM_031007) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Adcy2
Synonyms:	AC2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN208260 representing NM_031007 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCGGGCGCCGCTACCTGCGGGACCGCGCGAGGCGGGCGGGCAGCGGGCGGGAGGCGGAGAGG  
GGCTGCAGCGGTCCCGGACTGGCTCTACGAGTCTACTACTGCATGAGCCAGCAGCACCCGCTCATCGT  
CTTCTGTGCTCATCGTCATGGGCGCCTGCCTCGCCCTGCTAGCCGTCTTCTTCGCGCTCGGGCTGGAG  
GTGGAAGACCATGTGGCATTAAAAATAACGGTTCCCACTGCCCTGGCCATTTTCTTTGCCATATTATTC  
TTGCTGCATAGAGTCTGTGTTCAAGAAGCTACTCCGTGTGTTTTCGCTGGTGATTTGGATATGTCTGGT  
TGCCATGGGATACCTGTTTCATGTGCTTCGGAGGGACTGTGCTGCCTGGGACCAGGTGTCATTCTTCCTC  
TTCATCATCTTTGTGGTATATACCATGCTTCCCTTCAACATGCGAGATGCCATCATTGCCAGCATCCTCA  
CATCTTCATCTCATACGATAGTGTGAGCGTCTACCTGTCTGCAACACCAGGGGCCAAGGAGCACCTGTT  
CTGGCAGATACTGGCCAATGTGATCATTTTCATTTGTGGAACTTGGCGGGAGCCTACCACAAGCACCTC  
ATGGAGCTTGCCTGCAGCAAACCTATCGGGACACGTGAATTGCATCAAGTCCCGGATCAAGCTGGAAT  
TTGAAAAACGGCAGCAGGAACGGCTCTGCTCTCCTTGTGCTGCCAGCTCACATCGCCATGGAGATGAAAGC  
TGAAATCATTAGAGGCTGCAGGGCCCCAAAGCAGGACAGATGGAAAACCAAACAACCTTCCACAATCTG  
TATGTCAAACGACACACCAACGTGAGCATATTATACGCTGACATTGTTGGCTTACCCCGCTTGCAAGCG  
ATTGCTCCCTGGCGAAGTGGTCCACATGCTGAATGAACTCTTTGGGAAGTTTGATCAAATAGCAAAGGA  
GAATGAATGCATGAGAATAAAAATTTAGGAGACTGCTATTACTGTGTTCCGGGCTCCCTATATCACTC  
CCTAACCATGCCAAGAAGTGTGAAAAATGGGATTGGATATGTGCGAAGCCATAAAGAAAGTGAGGGATG  
CTACCGGAGTTGATATCAACATGCGTGTAGGAGTGCATTCTGGGAACGTTCTCTGTGGTGTGATTGGTCT  
CCAGAAGTGCCAGTATGATGTGGTCTCATGATGTTACTCTGGCAAACCATGGAAGCTGGAGGAGTC  
CCTGGGCGTGTTCACATTTCTTCACTCTGGAGCACTTGAATGGGGCTTATAAAGTGGAGGAAGGAG  
ATGGTGAGATAAGAGACCATATTTAAAGCAGCACTTGGTGAAAACCTACTTTGTAAATCAATCCCAAGGG  
AGAGCGACGGAGTCTCAGCATCTTTCAGACCTCGACACACTCTGGACGGAGCCAAAGATGAGAGCATCT  
GTCCGATGACCCGTAATTGGAGTCTGGGGAGCAGCCAAGCCATTCGCACATCTGCACCACAGAGATA



GCATGACCACAGAGAATGGGAAGATTAGTACCACGGATGTGCCAATGGGTCAACATAATTTTCAAATCG  
CACCTTAAGAAGTAAAGTACAGAGAAGAGATTGAAGAAGAACTGAATGAAAGGATGATCCAAGCAATT  
GATGGGATCAATGCACAGAAGCAATGGCTCAAGTCAGAAGACATTCAAAGAATCTCCCTGCTTTTCTATA  
ACAAGAATATAGAGAAAGAATACCGAGCTACTGCACTGCCAGCATTCAAGTACTACGTGACCTGTGCCTG  
CCTCATCTTTCTCTGCATCTTCATTGTACAGATACTTGTATTGCCAAAACGTCCATCCTTGCTTCTCC  
TTTGGAGCTGCATTTCTCTCCCTCATCTTCATCCTCTTTGTCTGCTTCGCTGGACAGCTTTTGAATGCA  
GCAAAAAGGCCCTCCACCTCTCTCATGTGGCTTTTGAATCATCAGGCATCATCGCAACCGCCCATGGCC  
ACGGATCTCCCTCACAATCGTCACCACGGCTATCATACTAACCATGGCTGTGTTCAACATGTTTTCTCTG  
AGCAACTCTGAGGAGACAACCCCTCCCACTGCCAATACATCAAATGCAAACGTTTCTGTCCCGGATAACC  
AGGCGTCGATTCTTCATGCTCGAAACTGTTTTTCTCCCGTACTTCATATACAGCTGCATCCTGGGCTT  
GATCTCCTGCTCCGTTTTCTGAGGGTGAAGTATGAGTAAAAATGTTAATCATGATGGTGGCACTCGTG  
GGCTACAACACCATTCTACTCCACACCCATGCCCATGTTCTGGATGCGTACAGCCAGGCTCTGTTTCAGA  
GACCAGGCATTTGGAAAGACCTGAAGACCATGGGCTCCGTGCTACTCTCCATATTCTTCATCAGCTGCT  
GGTTCTGGGCAGACAGAGTGAATATTACTGTAGGTTAGACTTCTGTGGAAGAACAAGTTCAAAAAGAG  
CGGGAGGAGATAGAAACCATGGAGAACCTAAATCGAGTGTGCTGGAGAACGTGCTTCTGCACACGTGG  
CTGAACACTTCTGGCCAGGAGCCTGAAAAATGAGGAGCTGTACCACCAGTCTACGACTGTGCTGTGT  
CATGTTTGCCTCCATTCCGGACTTCAAGGAGTTCTACACAGAGTCAGATGTGAACAAGGAAGGCTTGAA  
TGCTGCGGCTCCTGAATGAGATCATTGCTGACTTTGATGATCTGCTTTCTAAGCCAAAGTTCAAGTGGT  
TTGAAAAGATCAAGACCATTGGGAGCACATACATGGCAGCCACGGGACTGAGTGCATACCCAGCCAGGA  
GCACGCCAGGAACCTGAGCGTCAGTACATGCACATAGGCACCATGGTGGAGTTTGCATATGCCCTGGT  
GGAAAAGTGGATGCCATCAATAAGCACTCCTTCAACGACTTCAAAGTGGAGTGGTATCAACCATGGGC  
CTGTAATAGCTGGCGTCATAGGGGCTCAAAGCCACAGTATGACATCTGGGGCAACACTGTCAACGTGGC  
CAGCAGAATGGACAGCACCGGGTCTGGACAAAATACAGGTGACTGAGGAGACAAGCCTCATCTTGCAG  
ACGCTTGGCTACACGTGTACATGTCGAGGTATCATCAATGTGAAGGGGAAAGGGGACCTGAAGACATATT  
TTGTAACACAGAGATGTCAAGTCCCTTTCTCAGAGCAACTTGGCATCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

Sgfl-MluI

**ACCN:**

NM\_031007

**Insert Size:**

3273 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\\_031007.1](#), [NP\\_112269.1](#)

RefSeq Size:	4008 bp
RefSeq ORF:	3273 bp
Locus ID:	81636
UniProt ID:	<a href="#">P26769</a>
Cytogenetics:	1p11
Gene Summary:	enzyme that catalyzes the formation of the secondary messenger cyclic adenosine monophosphate [RGD, Feb 2006]