

Product datasheet for **RN209342**

Adcy3 (NM_130779) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adcy3 (NM_130779) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Adcy3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN209342 representing NM_130779 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGAGGAACCCAGGGCTTCTCGGATCCCGAGTACTCGGCAGAGTACTCAGCCGAGTACTCAGTCAGT
TGCCCTCTGACCCCGACCGGGGTCGGCCGACCCATGAAATTTCTGTGCGGAACCTGGGTCTGCCT
GTGCCTCGCTCGTTTATGCGGCTGACCTTCGTGCCTGAGTCTTGAGAACCTCTACCAGACTACTTT
AAAAGGCAGCGCCATGAGACACTGCTGGTGTGGTGGTCTTTGCGGCCCTTTGACTGCTACGTGGTAG
TGATGTGCGCGGTGGTCTTTCCAGCGACAAGCTGGCGCCCTCATGGTGGCAGGCGTGGTCTGGTGT
GGACATCATCCTTTCTGTCTGCAAAAAGGGGCTGCTCCCGGATCGAGTGAGCCGCAAAGTGGTACCC
TACCTGTGTGGCTGCTCATCACAGCCAGATCTTCTCTACCTGGGCCTGAACTTTTCGCGTGCCACG
CAGCCAGTGACTGTGGTTGGCAGGCCCTTTTGTCTTCTCTTTCATAACGCTGCCACTCAGCCT
CAGCCCCATCGTGATCATCTCCGTGGTCTCCTGTGTTGTGCATACGTTGTCTTGGGGTACGGTGGCC
CAGCAGCAGCAAGACGAGCTAGAAGGGATGCAGCTGCTGAGGGAGATCCTGGCTAACGTCTTCTCTACC
TGTGCGCCATCATCGTGGGCATCATGTCCTACTACATGGCAGACCGTAAGCACCGAAAGGCCTTCTGGA
GGCCCGCAGTCGCTGGAGGTGAAGATGAATCTGGAGGAGCAGAGCCAGCAGCAGGAAAACCTTATGCTT
TCCATCCTGCCAAAGCATGTGGCTGACGAGATGTTGAAGGACATGAAGAAAGATGAGAGTCAGAAGGACC
AGCAGCAGTTCAACACCATGTACATGTACCGCCATGAGAATGTCAGCATCCTGTTTGAGATATTGTGGG
CTTTACCCAGCTGTCTCTGTGTCAGTGCCAGGAGCTCGTGAAGTACTCAACGAGCTTTTGCCCGC
TTTGACAAGCTGGCGCCAAATACCACCAGCTGAGGATCAAGATCCTAGGCGACTGTTACTACTGCATCT
GCGGCCTGCCTGACTACCGGGAGGACCACGCCGTGTGCTCCATCCTGATGGGGCTTGCCATGGTAGAGGC
CATCTCGTACGTGCGGGAGAAGACCAAGACCGGAGTGGACATGCGTGTGGGGTGCACACAGGCACTGTG
CTAGGTGGCGTCTGGCCAGAAGCGCTGGCAGTATGATGTATGGTCTACCGATGTCAGTGTGGCAAACA
AGATGGAGGCTGGCGGCATCCCAGGGCGGTGCACATTTCCAGAGCACCATGGACTGCCTGAAAGGGGA
GTTTCGATGTCGAACCTGGTGTGGTGGCAGTCTGCGACTACCTAGATGAGAAGGGCATCGAAACCTAC
CTCATCATTGCCTCCAAGCCAGAGGTGAAGAAGACAGCTCAAAATGGCCTCAACGGCTCGGCCCTGCCAA
ACGGAGCACCGGCATCCAAGCCAGCTCCCTGCCCTTATTGAGACCAAGGAGCCCAATGGGAGTGCCCA
TGCCAGCGGCTCCACATCAGAGGAGGCTGAAGAACAGGAGGCCAGGCTGACAACCCCTCGTTCGCCAAC



[View online »](#)

```

CCCCGCCGACGGCTGCGCCTCCAGGACCTGGCAGACCGTGTGGTGGACGCCTCTGAGGATGAGCACGAAC
TGAACCAGCTTCTTAACGAGGCCCTGCTGGAGCGGGAGTCCGCCAGGTGGTAAAGAAGAGAAACACATT
CCTCCTAACGATGAGGTTTCATGGACCCAGAGATGGAAACACGCTACTCGGTGGAGAAGGAGAAGCAGAGT
GGGGCTGCCTTCAGCTGTTCTGTGTGGTCTTTTCTGCACGGCCATGGTGGAGATACTTATCGACCCTT
GGTTGATGACAACTACGTGACCTTCGTGGTGGAGAGTTCTGCTCTTGATCCTGACCATCTGTTTCGAT
GGCTGCCATCTTCCCAGGGCATTTCCTAAGAAGCTCGTGGCCTTCTCATCTTGGATTGACCGGACCCGC
TGGGCCAGAAATACCTGGGCCATGTTAGCCATCTTCATTCTGGTTATGGCCAATGTTGTGGACATGCTGA
GCTGTCTCCAGTACTACATGGGACCTTACAACGTGACAACCGGGATAGAGCTGGACGGTGGCTGTATGGA
GAACCCCAAGTACTACAACATATGTTGCTGTGCTGTCCCTCATCGCCACCATCATGCTGGTGCAGGTGAGC
CACATGGTGAAGCTGACACTCATGCTGCTCGTACAGGGCGCGTGACTGCCATCAACCTGTATGCCTGGT
GTCCTGTCTTTGATGAATACGACCACAAACGCTTTCAGGAAAAGGACTCTCCTATGGTGGCCTTAGAGAA
GATGCAGGTACTTCCACCCCTGGGCTCAATGGCACTGACAGCAGGCTGCCCTGGTGCCTTCCAAGTAC
TCGATGACTGTGATGATGTTTCGTTATGATGCTGAGCTTTTACTACTTCTCAGCCACGTGGAGAACTGG
CCCGGACACTGTTCTTGTGGAAGATTGAGGTCCATGACCAGAAAGACGTGTGTACGAGATGCGCCGGTG
GAACGAGGCCCTGGTACCAACATGTTGCCAGAGCATGTTGCACGCCATTTCTGGGCTCCAAGAAGAGA
GATGAGGAGCTGTACAGCCAGTCTTATGACGAGATTGGAGTCATGTTGCCTCCTTGCCCACTTTGCCG
ACTTCTACACTGAGGAGAGCATCAATAATGGTGGCATCGAGTGTCTACGCTTCTCAATGAGATCATCTC
TGATTTTGACTCTCTCCTGGACAATCCCAAATTCGGGTTCATCACCAGATCAAAACCATCGGCAGCACC
TATATGGCAGTCTTGGAGTACACCAGATGTCAACACCAATGGCTTTACAAGTCCAGCAAGGAGGAAA
AGTCAGACAAGGAGCGCTGGCAGCACCTGGCTGACCTGGCAGACTTTGCACTAGCCATGAAGGACACGCT
TACAAACATCAACAACAGTCAATCAACAACCTTCATGCTGCGCATAGGCATGAACAAAGGAGGAGTCTG
GCTGGAGTCATTGGAGCCCGGAAGCCACACTATGACATCTGGGGAAACACGGTCAATGTGCCAGCAGGA
TGAATCCACAGGGGTTCATGGGCAATATCCAGGTGGTGAAGAGACACAGGTCATCTTCGAGAGTATGG
CTTCCGCTTTGTGAGGCGAGGACCCATCTTTGTGAAGGGCAAAGGGGAGCTTCTGACCTTTTCTTAAAG
GGGCGGGACAGGCCAGCTGCCTTCCCAATGGCTCCTCTGTTACTGCCCCACCAAGTGGTGGACAACC
CCTGA

```

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_130779
- Insert Size:** 3435 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_130779.2](#), [NP_570135.2](#)

RefSeq Size:	4611 bp
RefSeq ORF:	3435 bp
Locus ID:	64508
UniProt ID:	P21932
Cytogenetics:	6q14
Gene Summary:	enzyme that catalyzes the formation of the secondary messenger cyclic adenosine monophosphate [RGD, Feb 2006]