

## Product datasheet for RN217528

### Adcy6 (NM\_001270785) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adcy6 (NM_001270785) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Adcy6
Synonyms:	AC6; ACVI; ADCYB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN217528 representing NM_001270785 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCCTGCCGTGGCCGATCCGGTTCTGGCGCAGCAGCATGTCATGGTTTAGCGCCTCCTGGTTC  
CCAAAGTGGATGAACGAAAACAGCCTGGGGCGAACGCAATGGACAGAAGCGCCACGCCAGCGGACCCG  
AGCCCGTGGCTTCTGCGCGCCCGCTACATGAGCTGCCCAAGAATGTGGAGCCACCCAGCCCCACTCCT  
GCAGCTCGCACTCGGTGCCCTGGCAGGATGAAGCCTTCATCAGGAGGGTGGCCCGGAAGGGGTGTGG  
AGCTGGGGCTGCGGTGAGTGGCCTTGGGTTTTGATGACACTGAGGTGACCACCCGATGGGGACAGCTGA  
AGTGGCACCCGACACATCGCCTCGAAGCGGTCCGTCTGCTGGCACCCGGCTAGCGCAGGTGTTCCAGTCT  
AAGCAGTTCGGCTCCGCCAAGCTGGAGCGTCTGTACCAGCGGTACTTCTCCAGATGAACAGAGCAGCC  
TCACGCTGCTCATGGCGGTGCTTGTGCTCCTCATGGCTGTACTGTTGACCTTCCACGCCGCGCCTGCCCT  
GCCTCAGCCTGCTTATGTGGCCCTGCTGACCTGTGCCTCCGTCTTTTGTGGTACTCATGGTAGTGTGT  
AACCGACATAGCTTCCGCCAGGACTCCATGTGGGTAGTGAGCTATGTGGTTCTGGGCATCCTAGCAGCCG  
TGCAAGTCGGGGTGGCCTGGCAGCCAACCCACGAGCCCTCAGCAGGCCTTTGGTGCCCGTGTCTTCT  
CGTCTACATCACACTACACTTCTCCATTGATGCGAGCGGCCGTGCTCAGTGGCCTGGGTCTTTCC  
ACCTGCAATTTGATTTTGGCCTGGCATCTCAACAATGGTGACCCCTTCTTTGGAAGCAGCTCGGTGCTA  
ACGTGGTGTCTTCTGTGCACCAATGCCATCGGTGTCTGCACGCACTACCCCGCTGAAGTGTCTCAGCG  
CCAAGCCTTTCAGGAGACCCGTGGTTACATCCAGGCCCGCTGCACTTGCAGCATGAGAATCGACAGCAG  
GAACGGCTGCTGCTGCGGTGTTGCCAGCATGTTGCCATGGAATGAAAGAGGATATCAACACAAAAA  
AGGAAGACATGATGTTCCACAAGATTTACATCCAGAAGCATGACAATGTCAGCATCCTGTTTGGCAGAT  
CGAGGGCTTACCAGCCTGGCCTCCAGTGCATGCCAGGAAGTGGTGCATGACCTTGAATGAGCTCTTT  
GCCCGGTCGACAAGCTGGCTGCGGAGAATCACTGTCTGAGGATCAAGATCTTAGGAGACTGTTACTACT  
GTGTGTCGGGGCTGCCGAGGCCCGGGCAGACCATGCCACTGCTGTGTGGAGATGGGGGTAGACATGAT  
CGAGGCCATCTCGCTGGTGCCTGAGGTAACGGGTGTAATGTGAACATGCCTGGGCATCCACAGCGGG



[View online >](#)

CGTGTA CACTGCGGTGTCTTGGTCTGCGGAAATGGCAGTTTGTATGTCTGGTCCAACGATGTGACCCTGG  
 CCAACCACATGGAGGCGGGGGCCGGCCGGCCGATCCACATCACTCGGGCCACACTGCAGTACCTGAA  
 CGGGGACTATGAGGTGGAGCCAGGCCGTGGCGGTGAGCGCAACCGTACCTCAAGGAGCAGTGCATTGAG  
 ACCTTCTCATACTAGGAGCCAGCCAGAAACGAAAGAGGAGAAGGCCATGTCTGGTCAAGCTGCAGCGGA  
 CGCGGGCCAACCCATGGAAGGACTGATGCCCGCTGGTTCTGACCGTGCCTTCTCCCGACCAAGGA  
 CTCTAAGGCATTCCGACAGATGGGCATCGATGACTCTAGCAAAGAGAACCAGGGGTGCCAAGATGCTCTG  
 AACCTGAGGATGAGGTGGACGAGTTTCTGGGCCGAGCCATCGATGCCCGAAGCATCGACCAGTGCCTG  
 AGGACCATGTGCCCGGTTCTGCTCACCTTCCAGAGGGAGGATCTCGAGAAGAAGTATTACGGAAAGT  
 AGACCCTCGTTTTCGGAGCCTACGTGCGCTGTGCCCTCCTGGTTTTCTGCTTCATCTGTTTCATCCAGTTC  
 CTCGTATTCACACTCCGCCCTGATACTCGGGATTTATGCCGGGATCTTCTTTTGTGCTGTGTCACCG  
 TGCTCATCTGTGCTGTGTCTCTGTGGTCTTTCTTCCCAACGCCCTGCAGCGCTGTCCCGCAGTAT  
 CGTCCGCTCACGGGTGCACAGCACGGCTGTTGGAGTCTTCTCGGTTCTGCTTGTGTTTCATCTGCCATT  
 GCCAACATGTTCACTGCAGTACACCCCACTGAGGACCTGTGCGGCCGGATGTGAACCTAACACCGT  
 CCGATGTCACCGCTGCCACCTACGACAGCTCAATTACTCTGCGGACTGGAAGCTCCCCTGTGTGAGGG  
 CACCGCACCCACTGCAGCTTCCCTGAGTACTTTGTGCGGAGTGTGCTGTGAGTCTTTGGCCAGCTCC  
 GTCTTCTCCACATCAGCAGCATTGGCAAGCTAGTTATGACCTTTGTCTTGGGGTTCATCTACTTGCCTC  
 TGCTTTTGTGGGTCCCCAGCCACCATCTTTGACAACATGATCTACTGCTTAGCGTCCATGGCTTGGC  
 TTCTCCAATGAGACCTTCGATGGGCTGGACTGCCAGCCGATAGGGAGGGTAGCGCTCAAATACATGACC  
 CCTGTGATTCTCCTCGTGTTCGCCCTGGCACTGTATCTACACGCACAACAGGTGGAATCTACCGCCCGCC  
 TGGACTTCTGTGAAACTGCAGGCCACAGGGGAGAAGGAGGAGATGGAGGAGTTGCAGGCCTACAACCG  
 GCGGCTGTGCATAACATCCTTCCCAAGGACGTGGCTGCCACTTCTTGGCCCGGAGCGCCGCAACGAC  
 GAGTGTACTACCAATCCTGCGAGTGCCTGGCTGTCATGTTGCCTCCATCGCCAACCTCTCTGAGTTCT  
 ATGTGAACTGGAGCGAACAATGAGGGCGTGGAGTGCCTGCGACTGCTCAATGAGATCATCGGGACTT  
 TGATGAGATCATCAGTGAGGAGAGGTTCCGGCAGCTGGAGAAGATCAAGACCATCGGTAGCACTTACATG  
 GCCGCTCCGGGCTAAATGCCAGCACCTATGACCAGGTGCGCCGCTCGCACATCACCGCCCTGGCAGACT  
 ACGCCATGCGGCTTATGGAGCAAATGAAACACATCAACGAACACTCTTTCAACAACCTCCAGATGAAGAT  
 CGGGTTGAAACATGGGTCCGGTTGTAGCAGGTGTCATTGGGGCCCGAAGCCACAGTATGACATCTGGGGA  
 AACACGGTGAATGTTCCAGCCGTATGGACAGCACAGGAGTTCCTGACCGAATACAGGTGACCACGGATC  
 TGTACCAGTTCTAGCTGCCAAGGGCTACCAACTGGAGTGTGAGGGGTGGTCAAGGTGAAGGGAAAGGG  
 GGAGATGACCACCTACTTCTCAATGGGGGCCCCAGCAGT**TAG**

ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT  
 TTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-NotI
- ACCN:** NM\_001270785
- Insert Size:** 3543 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\\_001270785.1](#), [NP\\_001257714.1](#)

**RefSeq Size:** 5878 bp

**RefSeq ORF:** 3543 bp

**Locus ID:** 25289

**Cytogenetics:** 7q36

**Gene Summary:** may play a role in intracellular signaling [RGD, Feb 2006]  
Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.