

Product datasheet for RN212189

Adcy6 (NM_012821) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adcy6 (NM_012821) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Adcy6
Synonyms:	AC6; ACVI; ADCYB
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN212189 representing NM_012821 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCATGGTTAGCGGCTCCTGGTCCCAAAGTGGATGAACGGAAAACAGCCTGGGGCGAACGCAATG
GACAGAAGCGCCACGCCAGGCGACCCGAGCCCGTGGCTTCTGCGCGCCCGCTACATGAGCTGCCTCAA
GAATGTGGAGCCACCCAGCCCACTCCTGCAGCTCGCACTCGGTGCCCTGGCAGGATGAAGCCTTCATC
AGGAGGGCTGGCCCGGAAGGGGTGTGAAGCTGGGGCTGCGGTCACTGGCCTTGGGTTTTGATGACTG
AGGTGACCACACCGATGGGGACAGCTGAAGTGGCACCCGACACATCGCCTCGAAGCGGTCCGTCCTGCTG
GCACCGGCTAGCGCAGGTGTTCCAGTCTAAGCAGTTCCGCTCCGCCAAGCTGGAGCGTCTGTACCAGCGG
TACTTCTCCAGATGAACCAGAGCAGCCTCAGCTGCTCATGGCGGTGCTTGTGCTCCTCATGGCTGTAC
TGTTGACCTCCACGCCGCGCTGCCCTGCCTCAGCCTGCTTATGTGGCCCTGCTGACCTGTGCCTCCGT
CCTTTTGTGGTACTCATGGTAGTGTGAACCGACATAGCTTCCGCCAGGACTCCATGTGGGTAGTGAGC
TATGTGGTCTGGGCATCCTAGCAGCCGTGCAAGTGGGGGTGCCCTGGCAGCAACCCACGAGCCCTC
CAGCAGGCCTTTGGTCCCGTGTCTTCTGCTACATCACACTTCTTCCATTCTGATGCGGAGC
GGCCGTGCTCAGTGGCTGGTCTTCCACCCTGCATTTGATTTGGCCTGGCATCTCAACAATGGTGAC
CCCTTCTTTGGAAGCAGCTCGGTGCTAACGTGGTGTCTTCTGTGCACCAATGCCATCCGTGTCTGCA
CGCACTACCCCGCTGAAGTGTCTCAGCGCAAGCCTTTCAGGAGACCCGTGGTTACATCCAGGCCCGCT
GCCTTGCAGCATGAGAATCGACAGCAGGAACGGCTGCTGCTGCTGCGGTGTGCCAGCATGTTGCCATG
GAAATGAAAGAGGATATCAACACAAAAAAGGAAGACATGATGTTCCACAAGATTTACATCCAGAAGCATG
ACAATGTCAGCATCCTGTTTCCGACATCGAGGGCTTACCAGCCTGGCCTCCAGTGCCTGCCAGGA
ACTGGTCATGACCTTGAATGAGCTCTTTCGCCGTTTCGACAAGCTGGCTGCGGAGAATCACTGTCTGAGG
ATCAAGATCTTAGGAGACTGTTACTACTGTGTGTCGGGGCTGCCGAGGCCGGGCGAGACCATGCCCACT
GCTGTGTGGAGATGGGGGTAGACATGATCGAGGCCATCTCGCTGGTGCCTGAGGTAAACGGGTGTAATGT
GAACATGCGCGTGGGCATCCACAGCGGGCGTGTACTGCGGTGTCTTGGTCTGCGGAAATGGCAGTTT
GATGTCTGGTCCAACGATGTGACCCTGGCCAACCATGGAGGCGGGGGCCGGCCGGCCGATCCACA



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TCACTCGGGCCACACTGCAGTACCTGAACGGGGACTATGAGGTGGAGCCAGGCCGTGGCGGTGAGCGCAA
 CCGCTACCTCAAGGAGCAGTGCATTGAGACCTTCTCATACTAGGAGCCAGCCAGAAACGGAAAGAGGAG
 AAGGCCATGCTGGTCAAGCTGCAGCGGACGCGGGCCAACCTCCATGGAAGGACTGATGCCCGCTGGGTTT
 CTGACCGTGCCTTCTCCCGGACCAAGGACTCTAAGGCATTCGACAGATGGGCATCGATGACTCTAGCAA
 AGAGAACCAGGGGTGCCAAAGATGCTCTGAACCTGAGGATGAGGTGGACGAGTTTCTGGGCCGAGCCATC
 GATGCCCGAAGCATCGACCAGCTGCCTAAGGACCATGTGCGCCGGTTCTGCTCACCTCCAGAGGGAGG
 ATCTCGAGAAGAAGTATTCACGAAAGTAGACCCCTCGTTTCGGAGCCTACGTCGCTGTGCCCTCTGGT
 TTTCTGCTTCATCTGTTTCATCCAGTTCCTCGTATTCACACTCCGCCCTGATACTCGGGATTTATGCC
 GGGATCTTCTTTTGTGCTGCTGGTACCCTGCTCATCTGTGCTGTGCTCCTGTGGGTCTTTCTCCCA
 ACGCCCTGCAGCGCTGTCCCGCAGTATCGTCCGCTCACGGGTGCACAGCACGGCTGTTGGAGTCTTCTC
 GGTTCGCTTGTGTTTCTCTGCCATTGCCAACATGTTACCTGCAGTACACCCCACTGAGGACCTGT
 GCGGCCCGGATGCTGAACCTAACACCGTCCGATGTACCCTGTACCTACGACAGATCAATTACTCTC
 TGGGACTGGAAGTCCCCTGTGTGAGGGCACAGCACCCACCTGCAGTTTCCCTGAGTACTTTGTCGGGAG
 TGTGCTGTTGAGTCTTGGCCAGCTCCGTCTTCTCCACATCAGCAGCATTGGCAAGCTAGTTATGACC
 TTTGCTTGGGGTTCATCTACTTGTCTTCTGCTTTTGTGGGTCCCCAGCCACCATCTTTGACAATATG
 ATCTACTGCTTAGCGTCCATGGCTTGGCTTCTCCAATGAGACCTTCGATGGGCTGGACTGCCAGCCGT
 AGGGAGGGTAGCGCTCAAATACATGACCCTGTGATTCTCCTCGTGTTCGCCCTGGCACTGTATCTACAC
 GCACAACAGGTGGAATCTACCGCCCGCTGGACTTCTGTGAAAATGCAGGCCACAGGGGAGAAGGAGG
 AGATGGAGGAGTGCAGGCCTACAACCGCGGCTGCTGCATAACATCCTTCCCAAGGACGTGGCTGCCCA
 CTTCTGGCCCGGGAGCGCCGCAACGACGAGCTGTACTACCAATCCTGCGAGTGGTGGCTGTATGTTT
 GCCTCCATCGCCAACTTCTCTGAGTCTATGTGAACTGGAGGCAACAATGAGGGCGTGGAGTGCCTGC
 GACTGCTCAATGAGATCATCGCGGACTTTGATGAGATCATCAGTGAGGAGAGGTTCCGGCAGCTGGAGAA
 GATCAAGACCATCGGTAGCACTTACATGGCCGCTCCGGGCTAAATGCCAGCACCTATGACCAGTCCGGC
 CGCTCGCACATCACCGCCCTGGCAGACTACGCCATGCGGCTTATGGAGCAATGAAACACATCAACGAAC
 ACTCTTTCAACAACCTCCAGATGAAGATCGGGTTGAACATGGGTCCGGTTGTAGCAGGTGTCATTGGGGC
 CCGGAAGCCACAGTATGACATCTGGGAAACACGGTGAATGTTTCCAGCCGATGGACAGCACAGGAGTT
 CCTGACCGAATACAGGTGACCACGGATCTTACCAGGTTCTAGCTGCCAAGGGCTACCAACTGGAGTGT
 GAGGGGTGGTCAAGGTGAAGGAAAGGGGGAGATGACCACCTACTTCTCAATGGGGGCCAGCAGTTA
 G

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_012821
- Insert Size:** 3501 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_012821.4](#), [NP_036953.4](#)

RefSeq Size: 5927 bp

RefSeq ORF: 3501 bp

Locus ID: 25289

UniProt ID: [Q03343](#)

Cytogenetics: 7q36

Gene Summary: may play a role in intracellular signaling [RGD, Feb 2006]

Transcript Variant: This variant (2) uses an alternate first exon in place of that of exon 1. The resulting isoform (2) is shorter at the N-terminus compared to isoform 1.