

Product datasheet for **RN210573**

Adcy8 (NM_017142) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adcy8 (NM_017142) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Adcy8
Synonyms:	Ac8
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN210573 representing NM_017142 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGA**ACTCTCGGATGTGCACTGCCTTAGCGGCAGCGAGGA**ACTCTATACCATTACCCGACGCCCCGG
CCGCGGACGGCGGAGCGGCTCTCGGCCGAGCGGCTGCTGTGGCAGACGGCGGTGCGGCACATCACCGA
GCAGCGCTTCATCCAGGCCACCGAGCGCGCGGGCGGGGGCTCCCGAAAGCCTCGAACCTGCGGGC
AGCGGACCAAACCACCGCGCCGAGCTGTCTAGCGACTCGGTGCTGCCTCTCTATTCTCTGGGCTCCG
GAGAGCGAGCGCACAACACCGGTGGCACAAAGTCTTTCCGGAACGCAGCGGGAGCGGCAGTGCCAGTGG
CAGCGGGGGTGGGGGCGACTTGGGCTTCTGCACCTTGACTGTGCCCAAGTA**ACTCGGATTTCTTCTCTC**
AATGGGGGATACAGCTACCGTGGGGTCA**TTTTCCCAACCCTACGCAACTCCTTCAAGTCTCGGGATCTGG**
AGCGCCTCTATCAACGCTATTTCTGGGCCAGAGGCGCAAATCGGAGGTAGTGATGAACGTGCTGGATGT
ACTAACCAAACTCACCTTCTAGTCCTTCACTTGAGCCTAGCCTCGGCTCCCATGGACCTCTCAAGGGC
ATCCTGCTAGGCTTTTTCACTGGCATCGAGTGGTGATCTGCGCCCTCGTGGTGGTCAGGAAGGACCA
CCTCCACACTTACCTGCAATACAGCGGGTGGTCACTTGGGTGGCTATGACCACCCAGATTCTGGCAGC
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TCAGTTCCACCGCATCTACATCCATCGTACGAGAACGTCAGTATTCTTTTTGCAGATGTCAAAGGATTT
ACCAACCTCTCTACGACCTTGTCTGCTCAGGAGCTTGTGAGGATGCTCAACGAGCTCTTTGCCAGATTTG
ATCGGCTGGCCCATGAGCATCACTGTCTTCGCATTA**AAAACTCTGGGGGACTGCTACTACTGTGTGTCAGG**
ACTGCCTGAGCCCCGCCAGGACCATGCTCATTGCTGTGTTGAAATGGGCCTCAGCATGATCAA**AACTATC**
AGGTTTGTGAGGTCCAGAACGAAGCATGATGTTGACATGCGAATTGGAATCCATT**CAGGCTCTGTGCTGT**



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GTGGTGTGTTGGGCTGAGAAAATGGCAGTTTGTGTCTGGTCTTGGGATGTGGACATCGAAACAACT
TGAATCTGGAGGAATCCCTGGGAGAATTCACATTTCCAAAGCCACACTGGATTGCCTCAGTGGTACTAT
AATGTGGAAGAGGGCCACGGTAAGGAGAGGAATGAATCTTGAGGAAGCATAATATAGAGACCTATTTGA
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TACCATGGACAGCAGCTGGAGTACACAGCCCGCTAGATTTCTGTGGCGAGTACAGGCCAAAGAGGAGA
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ACAGGAGTGAGTGGCCGGATCCAAGTTCCTGAGGAGACCTATCTCATCCTGAAGGATCAGGGCTTTGCC
TCGACTACCGGGGAGAGATATATGTGAAGGCATCAGCGAACAAGAAGGGAAAATCAAAACATATTTTCT
CCTGGGACGAGTCCAACCAACCCATTCATCTTACCCCAAGAAGACTTCTGGGACGACTCTCTGGCT
GCAGTTGTCTTGGGCTGTCCAGTCTCTCAACAGGCAAAGGCAGAAGCAACTACTCAATGAGAACAGCA
ACTCTGGCATCATCAAGAGCCATTACAACCGCGGACTTTGCTAACGCCAAGTGGCCAGAGCCTGGAGC
ACAGGCTGAAGGCACTGACAAATCCGATTTGCCATAA
    
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_017142

Insert Size:

3747 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_017142.1](#), [NP_058838.1](#)

RefSeq Size: 4601 bp

RefSeq ORF: 3747 bp

Locus ID: 29241

UniProt ID: [P40146](#)

Cytogenetics: 7q33

Gene Summary: may play a role in calcium/calmodulin regulated intracellular signaling; may mediate long term potentiation [RGD, Feb 2006]