

Product datasheet for RN209467

Adcy5 (NM_022600) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adcy5 (NM_022600) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Adcy5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN209467 representing NM_022600 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGGATCGCC

ATGTCCGGCTCCAAAAGCGTGAGCCCCCGGGCTACGCTGCACAGACAGCAGCGTCGCCCGCCCCGGG
GAGGCCCGGAGCATCGCGCCGCTGGGGAGAAGCCGATTCCCGCCCAATGGCTACCCCCACGCCCCCGG
GGGATCGACCCCGGCTCCACCAAGCGATCTGGGGAGCGGTACCCCAACAGCAGCAGCGCTGGCT
AGCCGTTGGCGCGGTGGCGACGACGATGAAGACCCTCCACTAAGCGGTGACGACCCTCTGGTCGGAGGCT
TCGGCTTCAGCTTCCGTTCTAAGTCGGCTGGCAGGAGCGCGGGCGACGACGCGGCTCGCGGCAGCAG
GCGGCAGCGCGGGCGCGGCTGGAGGGGCGAGCACCAGGGCGCCCCCTGCGGGCGGAGTGGCAGTTTCG
GCGGGCGGCGCAGCAGCCGAGGTGGCAGGAGTGGCCCGCTCGGTGGAGGTGGGCTGGAGGAGC
GTCGAGGAAAAGGCCGAGCGGCCGAGGAGCTGGAGCCCGAACTGGCACCGTCGAGGATGGAGACGGGTC
CGAGGATGGAGGCAGTTCGTTGGCTCAGGCTCTGGACCGGCACGGTGTCTGTTGGGCGCTGCTGC
CTGGCCTTGTGCAGATATTCGCTCTAAGAAGTTCGCTCGGACAACTGGAGCGTCTGTACCAGCGCT
ATTTCTCCGCCGTAACAGAGCAGCCTCACCATGCTCATGGCCGTGCTGGTGTCTGTGCTGCTGGTGCAT
GCTCGCTTCCACGCGGCACGGCCCCGCTCCAGGTAGTCTACCTGGCCGTGTTGGCAGCTGCTGTGGG
GTGATCCTTATCATGGCTGTGCTCTGCAACCGTGACGCTTCCACCAGGACCACATGGGCTGGCCTGCT
ATGCGCTCATTGCAGTGGTGTGGCCGTCCAGGTAGTGGGCTGTTGCTGCCACAGCCACGAGCGCCTC
CGAGGGCATCTGGTGGACCGTGTCTTCTATCTATACCATCTACACCCTGCTGCCTGTGCGCATGAGGGCT
GCGGTGCTCAGCGGGTGTCTTGTGCGCTCTCCACTGGCCATCTCTGACACCAACGCCAGGACC
AGTTTCTGCTGAAACAGCTTGTCTCCAACGTCCTCATCTCTCTGACCAACATCGTGGGTGTGTGCAC
TCACTACCCAGCCGAGGTCTCCAGAGACAAGCCTTCCAGGAGACCCGGGAGTGCATCCAAGCTCGGCTC
CACTCACAGCGGAGAACAGCAACAGGAGCGTCTCTGCTGTCTTCCCGTCACTGTTGCCATGG
AGATGAAAGCAGACATCAACGCCAAACAGGAGGATATGATGTTCCACAAGATTTACATCCAGAAACATGA
CAATGTGAGCATCCTGTTTGTGACATCGAAGGCTTCACTAGCCTGGCATCCCACTGTAAGTCCCAAGAA
CTGGTCATGACCTCAACGAGCTCTTCGCCGCTTTGACAAGTTGGCTGCGGAGAACTCACTGCTTACGGA
TTAAGATCCTCGGGATTGTTACTACTGTGCTCGGGGCTGCCTGAAGCCAGAGCTGACCACGCCACTG
CTGCGTAGAGATGGGAATGGACATGATCGAGGCCATCTCGTGGTCCGGGAGGTGACAGGGTGAACGTG



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AACATGCGTGTGGGAATTCACAGCGGGAGAGTACACTGCGGTGTCTTGGCCTCAGAAAAGTGGAATTCG
 ACGTGTGGTCTAACGATGTCACACTGGCCAACCATGGAAGCTGGCGCAAGGCAGGCCGCATCCACAT
 CACCAAGGCCACACTCACTACCTGAACGGGGACTATGAGGTGGAGCCAGGCTGTGGTGGTGAAGCAAT
 GCCTACCTCAAGGAGCACAGCATCGAGACCTTCTCATCTGCGTGTACCCAGAAGCGGAAAGAAGAGA
 AGGCCATGATCGCAAGATGAACCGCCAGAGAACCACTCCATTGGACACAATCCGCCTCACTGGGGAGC
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 GACCCCAAGGACAAGAATGCCAGGAAAGTGCCAAACCTGAGGATGAAGTGGACGAGTTTCTGGGTCGAG
 CCATCGATGCCAGGAGATTGACAGACTGCGATCCGAACACGTCCGAAAGTTCTCTTGACCTTTAGGGA
 GCCCGACTTAGAGAAGAAGTACTCCAAGCAGGTGGATGACCGATTTGGTGCCTATGTGGCCTGTGCCTCG
 CTTGTTTTCTCTTCTGCTTGTCCAGATCACCATTGTGCCCACTCCCTGTTTCATGCTGAGCTTCT
 ACCTGTGCTGTTTCTGCTACTGGCCTTGGTGGTGTATATCTGTGATCTACGCCTGTGTGAAGCTCTT
 CCCTACTCCCCTGCAGACACTCTCCAGGAAGATAGTGCATCCAAGAAGAACAGCACCTGGTCGGGGTG
 TTCACCATCACCTGGTGTCTCTCGGCTTTGTCAACATGTTTCATGTGCAACTCTAAGAACCTGGTGG
 GTTGCCTGGCAGAGGAGCACAAACATCACGGTGAACCAGGTGAACGCATGTCATGTGATGGAGTCGGCCTT
 CAACTACAGCCTGGGCGACGAGCAGGGCTTCTGTGGCAGCCCCAGTCCAACCTGCAACTCCCAGAGTAC
 TTCACCTACAGCGTGTCTGCTCAGCCTGTGGCCTGCTCCGTGTTCTGTCAGATCAGCTGCATCGGGAAGC
 TGGTGCTCATGCTGGCCATCGAGCTCATCTACGTGCTCATCGTAGAGGTGCCCGGTGCACACTCTTTGA
 CAACGCTGACCTTCTGGTCACCGCAATGCCATAGACTTCAGCAACAACGGGACCTCCCAGTGCCCTGAG
 CATGCGACCAAGGTGGCGCTGAAGGTGGTACGCCCATCATCATCTGTCTTCTGCTGGCTCTGTATC
 TGCATGCTCAGCAGGTGGAATCCACTGCTCGCCTTGACTTCTCTGAAAAGTGCAGGCCACAGAAGAGAA
 GGAGGAGATGGAGGAGCTGCAGGCCTACAACCGGCGCTTGCTGCACAACATTCTGCCAAGGACGTGGCT
 GCCCACTTCTGGCCCGGAGCGGCGCAATGATGAACTGACTACCAATCCTGCGAGTGCCTGGCTGTCA
 TGTTTGCCTCCATCGCCAACCTTCTCCGAATTCTACGTGGAGCTAGAGGCCAACAATGAGGGCGTTGATG
 CCTACGGCTGCTCAATGAGATCATCGCAGACTTTGATGAGATCATCAGTGAAGGATCGGTTACGGCAGCTG
 GAAAAGATCAAGACCATAGGTAGCACCTACATGGCTGCCTCTGGCCTCAACGACTCCACCTATGACAAGG
 CAGGCAAGACCCACATCAAGGCTCTTGCAGACTTCGCCATGAAGCTGATGGACCAATGAAGTACATCAA
 TGAGCACTCCTTCAACAACCTCCAGATGAAGATCGGGCTTAACATTGGACCTGTAGTGGCTGGGGTCATT
 GGGGCTCGCAAGCCTCAGTATGACATCTGGGGCAATACAGTAAATGTGGCCAGCCGATGGACAGCACTG
 GGGTGCCTGACCCGATCCAGGTTACTACAGATATGTACCAGGTGCTGGCCGCAACACATACCAGCTGGA
 GTGCCGGGTGTGGTCAAGGTCAAGGGCAAGGGTGAAGTATGACCTACTTCTCAATGGAGGGCCTCCC
 CTCAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_022600

Insert Size:

3789 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_022600.1](#), [NP_072122.1](#)

RefSeq Size: 4847 bp

RefSeq ORF: 3789 bp

Locus ID: 64532

UniProt ID: [Q04400](#)

Cytogenetics: 11q22

Gene Summary: enzyme that catalyzes the formation of the secondary messenger cyclic adenosine monophosphate [RGD, Feb 2006]