

Product datasheet for **RN209162**

Adcy1 (NM_001107239) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adcy1 (NM_001107239) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Adcy1
Synonyms:	Ac1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN209162 representing NM_001107239
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGCTCGGCGTTGCCGAACAGGGGTTTGGCAACTCCTTTTGGTCACCTTCGTGCCTATGCCTTGC
 TGCCCGTGCAGCCTACTGGCCATCGGCTTCGGGCTCGTGGTGGCTGCCTCGCACTTACTGGTCACAGC
 CGCCTTGGTCCCTGCCAAGCGCCACGCTCTCGGAGGACGCTTGGTCCCAATGCCCTGCTTCTTTGGT
 GTGAACATGTATGGCGTCTTCGTGCGGATCTTGACTGAGCGCTCCAGAGGAAGGCCCTTCTGCAGGCTC
 GAAACTGCATTGAGGACCGGCTGCGGCTGGAAGATGAGAATGAGAAACAGGAGCGGTTGCTCATGAGCCT
 CTTGCCCGGAATGTGCGCATGGAGATGAAGGAAGACTTCTGAAGCCCCCTGAGAGGATATTTACAAG
 ATTTACATCCAGAGGCACGACAATGTGAGCATCTGTTTGCAGACATCGTGGGTTTACAGGTCTGGCGT
 CCCAGTGCACGGCCAGGAGCTGGTAAACTGCTCAATGAACTCTTTGGCAAGTTCGATGAGTTAGCCAC
 GAAAACCACTGTGCGCAATCAAGATCCTTGGAGACTGCTACTACTGTGTGTCTGGCCTCACCCAGCCC
 AAGACGGATCACGCCACTGCTGTGTGGAGATGGGACTTGACATGATCGATACCATCACATCCGTGGCTG
 AGGCTACTGAAGTAGACCTGAACATGCGTGTGGGCTACACACTGGCAGGGTCTCTGTGGTGTCTGGG
 CCTACGCAAGTGGCAGTACGACGTATGGTCCAACGACGTACCCTGGCCAATGTCATGGAGGCTGTGGC
 TTACCAGGGAAGTCCACATCACGAAGCAACCCTTGCCTGCTTGAACGGGGACTACGAGGTGGAGCCGG
 GCCACGGCCATGAGAGGAACACCTTTCTGAGAACTCACAACATCGAGACCTTCTTTATTGTGCCATCCCA
 TCGGAGGAAGATATTTCCAGGTTGATTCTCTCGGATATCAAACCAGCCAAGAGGATGAAGTTCAAGACC
 GTCTGCTACCTGCTGGTGCAGCTCATGCATTGCCGAAAATGTTCAAGGCTGAGATCCCCCTCTCCAACG
 TAATGACCTGTGAGGATGATGACAAGCGAAGGGCATTGAGAACGGCCTCGGAGAAGCTCAGAAACCGTTT
 GTCACTTCTACCAACGTGGTCTACACCACTCCGGGTACGCGTGTCAACAGGTACATCAGCCGCCTTCTT
 GAAGCCCGCCAGACAGAGCTGGAGATGGCCGACCTGAACTTCTTTACCCTCAAGTACAAGCATGTTGAAC
 GGGAAACAAAAATACCACCAGCTTCAAGATGAGTACTTACCAGCGCCGTTGTCTCGCCCTCATCTGGC
 TACCTTATTTGGGCTTATCTACCTTCTGGTAATCCACAGAGCGTGGCTGTCTGCTGCTGCTGGTGT
 TCTATCTGCTTCTTGGTGGCCTGTACCCTGTACCTGCACATCACGAGGGTCCAGTGTTCAGGGTGGC
 TGACCATCCAGATCCGCACCGCTCTGTGTGTGTTATCGTGGTCTTAATCTACTCAGTAGCTCAAGGATG
 TGTGGTGAAGTGTCTGCCTTGGGCTGGAGCTCTCACTCAACAGCTCCCTAGTGGTCTCGCAGCTGGT
 GGCCGGCGCACTGTGCTGCTGCCCTGCCCTGTGAGTCTGCACACCATGGCTGCTCTGCTGCTGGTGG
 GCACCCTCCCACTAGCCATATTCCTGCGGGTGTCTCCTTGC AAAGATGATCCTGCTGTCTGGGCTGAC
 GACTTCTACATCCTTGTCTGGAGCTCAGTGGATACCAAGGTTGGGGCGGTGCCCTCTCTGGGCGC
 AGCTATGAGCCATCATGGTATCCTGCTGTTCTCATGCACGCTGGCCCTGCACGCCAGGCGAGTGGACG
 TCAGGCTACGGCTGGACTACCTCTGGGCAGCACAGGCGGAGGAGGAACGGGACGACATGGAGAGGGTAAA
 GCTGGACAACAAGAGGATCCTCTTCAACCTCCTGCCAGCGCACGTGCGACAGCACTTCTCATGTCCAAT
 CCCCAGCAATGGATCTCTATTACCAGTCTACTCCAGGTGGGCGTCACTGTCGCTCCATCCCAACT
 TCAACGACTTCTACATAGAAGTGGATGGCAACAACATGGGCGTTGAGTGTCTGCGGCTCCTCAATGAGAT
 CATTGCTGACTTTGATGAGCTCATGGACAAGGACTTCTACAAGGACCTGGAGAAGATCAAGACCATTGGG
 AGTACCTATATGGCTGCCGTGGGCTGGCGCCACAGCAGGAACAGGGCTAAGAAGTCCATCTCTTCCC
 ATCTGAGCAGCTGGCAGACTTTGCCATCGACATGTTTGTGTCCTGGATGAGATCAACTACCAGTCTTA
 CAACGACTTCGTTCTCCGAGTCGGCATCAACGTTGGCCCCGTGGTGGTGGAGTATCGGTGCTCGCAGG
 CCCCAGTACGACATCTGGGGAAACACAGTCAATGTGGCCAGTCGGATGGATAGCACTGGGGTCCAGGGAA
 GAATTCAGGTGACTGAGGAAGTCCACCGACTGCTGAACAGGTGCTCATACCAGTTTGTGTGCAGAGGCAA
 AGTCAGCGTCAAGGGCAAGGGAGAGATGCTAACGTACTTCTAGAAGGCAGGACTGATGGGAGCAGTTCC
 CACAGCAGGTCCCTTCGCTTGGAGCGAAGGATGTTTCTTATGGGAGAGGCGGGAGGCCAGGCCAGGC
 GGCCCCATTGTGCTCTGACGCTGGACCCCAATCAAACCGGGGCTCTCTCCAGCCCCACTAGCCAGTA
 CCTGTCATCCACAGCAGCAGGGAAGGAAGCC**TAG**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Chromatograms:	https://cdn.origene.com/chromatograms/ja1750_e01.zip
Restriction Sites:	Sgfl-RsrII
ACCN:	NM_001107239
Insert Size:	2904 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
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:	<ol style="list-style-type: none"> 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_001107239.1 , NP_001100709.1
RefSeq Size:	3219 bp
RefSeq ORF:	2904 bp
Locus ID:	305509
Cytogenetics:	14q21