

Product datasheet for **MC224298**

Adcy9 (NM_009624) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Adcy9 (NM_009624) Mouse Untagged Clone
Tag: Tag Free
Symbol: Adcy9
Synonyms: AC9; ACtp10; AW125421; D16Wsu65e; mKIAA0520
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224298 representing NM_009624
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTTCCTCACCCACCAGCAGCTGCTGCATCACCATAGCACCGAGGTGAGCTGCGACTCAAGCGGAG
 ACAGCAACAGCGTGAGGGTCAAGATCAACCCTAAGCAGCTGTCTCCAACACCCACCCGAAGCACTGCAA
 GTACAGCATCTCCTCCAGCTGTAGCAGCTCGGGAGACTCAGGGGGCTTCCCGGAGGGTGGCGGGGG
 GGTGCGCTGCGCAGACAGAAGAAGCTGCCAGCTTTTTGAGAGGGCCTCCAGCCGGTGGTGGGACCCCA
 AATTTCGACTCCATGAACCTGGAGGAGCCCTGCCTGGAGCGCTGCTTCCGAGACCCAGCGCCGCTCCG
 GTACGCACTCTTTATGTGGGCTTCGCCTGCCTTCTCTGGAGCATCTATTTGCTGTCCACATGAAATCC
 AAAGTGATTGTCATGGTGGTCCCAGCTCTGTGCTTCTGGTGGTGTGTGGGCTTTTTCTGTTTACTT
 TCACCAAGCTGTACGCCCGCATTATGCGTGGACCTCGCTGGCTCTCACCTGCTGGTGTTCGCCCTGAC
 CCTGGCTGCGCAGTTTCAGGTTTGGACACCTCTGTCAGGACGTGTGACAGCTCCAATCATACTCTCAGC
 GCCACTCCGGCGGACACTTGCTTATCTCAAGTAGGAAGCTTCTCCATATGCATCGAAGTGCTCCTTTTGC
 TCTACACAGTCATGCAGTTACCTCTGTACCTGAGCTTGTTTTTGGGGTGGTCTATCTGCTCTTTTGA
 GACCTTCGGCTACCACTTCCGAAACGAAGACTGCTACCCTTCTCCGGGCCCTGGGCCCTGCACCTGGGAG
 CTGCTGAGCAGAGCCCTGCTTACGTGTGCATTACGCTATCGGGATCCATCTGTTTGTATGTCTCAGG
 TGAGGTCCAGGAGCACCTTTCTCAAGTGGGACAATCCATTATGCACGGCAAAGATCTGGAAGTAGAGAA
 AGCCCTGAAAGAGAGGATGATTCATTAGTGATGCCAAGAATCATAGCCGACGACTTAATGAAACAAGGG
 GACGAGGAGAGTGAGAATCCGTCAAGAGGCATGCCACCTCCAGTCCAAGAACAGGAAGAAGTCCCT
 CCATACAGAAGGCACCGATAGCATTCCGCCCTTTAAGATGCAGCAGATTGAAGAAGTCAGTATTTTATT
 TGCAGACATTGTGGTTTTACCAAGATGAGCGCAACAAATCTGCGCATGCCTTGGTAGGCCTACTCAAT
 GACCTGTTGCGTCTGTTGACCGCTGTGTGAGCAGACCAAGTGTGAGAAGATCAGCACTCTGGGGACT
 GTTATTACTGTGTGGCAGGGTGTCCGGAGCCCGGGCAGACCATGCCTACTGCTGCATTGAAATGGGCTT
 AGGCATGATAAAAGCCATCGAGCAGTTCTGCCAGGAGAAGAAAGAGATGGTGAACATGCGTGTGGGGTT
 CACACGGGACTGCTGTGTGGCATCCTGGGCATGAGGAGGTTAAATTTGATGTGTGGTCCAACGATG



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TGAACTTGGCTAATCTCATGGAGCAGCTGGGAGTGGCTGGCAAAGTTCACATATCTGAGGCCACTGCAAA
 ATACTTAGACGACAGGTATGAAATGGAAGATGGGAGAGTTATTGAGCGCCTTGGGCGAGAGTGTGGTGGCT
 GACCAGTTGAAAGGTTTGAAGACATACCTGATATCGGGTCAGAGAGCCAAAGGAGTCCCAGTGCAGCTGTG
 CAGAGGCCCTGCTTTCTGGCTTTGAGGTCATTGACGACTCACGGGAGTCTCAGGCCCTAGGGGACAGGG
 GACAGCATCGCCAGGGAGTGTAGTGTATTTGGCGCAGACTGTCAAACCTTTGATAACCTTAAGACTTGC
 CCTTCTTGTGGAATCACATTTGCTCCAAATCTGAAGCTGGTGCAGAAGGAGAACTGTGCAAAAATGGCT
 GTCAAGACGAGCCTAAGACCAGCACCAAGGCTTCTGGAGGACCCAACTCCAAAACCCAGAATGGACTTCT
 GAGCCCTCTGCAGAGGAGAAGCTCACTAACAGCCAGACCTCCCTCTGTGAGATCCTGCAAGAGAAGGGA
 CGGTGGGACAGGGGTGAGCTTGGACCAGTCAAGCCCTCCTCCCGCTCAGGTTCAAGAACATCCGTGAGAAAA
 CTGATGCCACTTTGTTGATGTCATCAAAGAAGACAGCCTGATGAAAGATTATTTCTTCAAGCCGCCAT
 CAATCAGTTCAGCCTGAACTTCTGGACCAGGAGCTGGAGCGATCATATAGAACCAGCTACCAGGAAGAG
 GTCATAAAGAATTCTCCTGTGAAGACGTTCCGACGTGCCACCTTCAAGTCCCTTCTGGATGTGTTTCTGT
 CAACCACCGTGTCTTGTATTCTCCTCATCACTGCTTCTAAAGTATGGAGCCACCGCCACCCCTCCCCC
 ACCGGTGCCTTGGCCGTCTTGGTGCAGACCTGCTGCTGGAGGTGCTTCCCTCATAGTGTCCATCAGA
 ATGGTGTTTTTCTAGAGGATGTCATGACATGCACAAAGTGGTGTGCTGGAATGGATCGCTGGCTGGCTCC
 CTCGCCACTGCATTGGGGCAATCTTGGTGTCTTCTCCTGCCCTGGCTGTCTATTACACATCACCTCTGA
 GTTTGAGACCAACATACATGTTACCATGTTCACTGGCTCTGCGGTGCTGGTGGCCGTTGTGCACTACTGT
 AACTTCTGCCAGCTCAGCTCCTGGATGAGGTCCTCCCTTGCCACCATCGTGGGGGCTGGGCTGTGCTTC
 TGCTCCACATCTCCCTGTGTCAGGACAGTTCATTGTGATGTCCCTTGGACTCAGCACAGAATTCAG
 TGCCCAGAGGAACCCATGCAACAGCTCAGTGTGCAGGACGGCAGGAGGCCGGCCAGCCTCATAGGCAAG
 GAGCTTATCCTCACCTTCTTCTCCTGCTCCTCTTGGTCTGGTTCCTGAACCGGGAGTTCGAGGTGAGCT
 ACCGGTGCACCTACCATGGGGATGTGGAGGCCGACCTACACCGCACCAAGATCCAGAGCATGAGAGACCA
 GGCTGACTGGCTACTGCGGAACATCATCCCTACCATGTGGCTGAGCAGCTCAAGTCTCTCAGACCTAC
 TCCAAGAACCATGACAGCGGGGGAGTCATCTTTGCCAGCATTGTCAACTTCAGTGAATTCTATGAGGAGA
 ACTATGAGGGGGCAAGGAGTGCTACCGTGTCTCAACGAGCTGATCGGTGACTTCGATGAGCTCTTGAG
 CAAGCCGGACTATAATAGCATCGAGAAGATCAAGACCATCGGGGCCACATACATGGCAGCCTCAGGGCTG
 AACACGGCCAGTGTGAGGAGGGTGGCCACCCACAGGAGCATCTGCGTATCCTCTTCGAGTTCGCCAAGG
 AGATGATGCGCGTGGTGGATGACTTCAACAACAATATGTTATGGTTCAACTTCAAGCTCAGGGTCCGCTT
 TAACCACGGACCCCTCACAGCAGGTGTCATAGGTACCACCAAGCTGCTGTATGACATCTGGGGGACACC
 GTCAACATCGCCAGCAGGATGGACACCACTGGTGTGGAGTGCCGTATCCAGGTGAGCGAAGAGAGCTACC
 GTGTGCTGAGCAAGATGGTTATGACTTTGACTACCGAGGACCGTGAATGTCAAGGGGAAAGGGCAGAT
 GAAGACCTACCTTACCCAAAGTGCACGACAATGGAGTGGTTCGCCAGCACCAGCTGTCCATCTCCCA
 GACATCCGAGTCCAGGTGGACGGCAGCATTGGGCGGTCTCCACAGATGAGATTGCCAACTTGGTGCCTT
 CCGTTCAGTATTCGGACAAGGCTTCCCTGGGATCTGATGATAGCACACAGGCTAAGGAAGCTCGCCTGTC
 CTCTAAGAGGTCTGGAGAGAGCCAGTCAAAGCAGAGGAAAGGTTTCCATTTGGCAAAGCCATAGAAAAG
 GACAGCTGTGAAGACATAGGAGTAGAAGAGGCCAGTGAACCTCAGCAAGCTCAATGTCTCAAAGAGTGTGT
 GA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_009624

Insert Size:

4062 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:	<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_009624.3 , NP_033754.2
RefSeq Size:	7840 bp
RefSeq ORF:	4062 bp
Locus ID:	11515
UniProt ID:	P51830
Cytogenetics:	16 2.42 cM
Gene Summary:	<p>Adenylyl cyclase that catalyzes the formation of the signaling molecule cAMP in response to activation of G protein-coupled receptors. Contributes to signaling cascades activated by CRH (corticotropin-releasing factor), corticosteroids and by beta-adrenergic receptors. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: The RefSeq transcript was derived from the reference genome assembly. The genomic coordinates were determined from alignments.</p>