

Product datasheet for MR218178

Adcy9 (NM_009624) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Adcy9 (NM_009624) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Adcy9
Synonyms: AC9; ACtp10; AW125421; D16Wsu65e; mKIAA0520
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR218178 representing NM_009624
 Red=Cloning site Blue=ORF Green=Tags(s)

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 GCCCGATCGCC

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CACACGGGGACTGTCTGTGTGGCATCCTGGGCATGAGGAGGTTTAAATTTGATGTGTGGTCCAACGATG
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Protein Sequence: >MR218178 representing NM_009624
Red=Cloning site Green=Tags(s)

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MASSPHQQLHHHSTEVSCDSSGDSNSVRVKINPKQLSSNTHPKHCKYSISSSCSSSGDSSGGLPRRVGGG
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KVIVMVPALCFLVVCVGFLLFTFKLYARHYAWTSLAL TLLVFALTLAAQFQVWTPLSGRVDSSNHTLT
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PSCGITFAPKSEAGAEGGT VQNGCQDEPKTSTKASGGPNSKTQNGLLSPPAEEL TNSQTSLCEILQKEG
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DIRVQVDGSIGRSPTDEIANL VPSVQYSDKASLGSDDSTQAKEARLSSKRSWREPVKAEERFPFGKAI EK
DSCEDIGVEEASELSKLNVS KSV
    
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9001_d02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



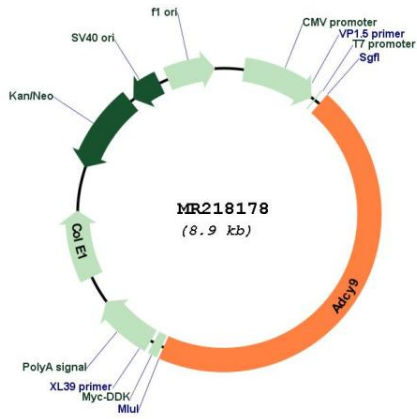
* The last codon before the Stop codon of the ORF

ACCN: NM_009624

ORF Size: 4059 bp

OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	4457 bp
RefSeq ORF:	4062 bp
Locus ID:	11515
UniProt ID:	P51830
Cytogenetics:	16 2.42 cM
MW:	151.4 kDa
Gene Summary:	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]

Product images:



Circular map for MR218178