

Product datasheet for **MC216096**

Adra2c (NM_007418) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adra2c (NM_007418) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adra2c
Synonyms:	Adra-2c; alpha2-C4; alpha2C; [a]2C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC216096 representing NM_007418
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGTCCCCAGCGCTGGCCGCGCGCTGGCGCGCGCGCGCTGAGGGCCCCAACGGGAGCGACGCGG
 GCGAATGGGGTAGCGGCGGGGGTGCCAACGCCTCGGGGACCGACTGGGTGCCACCGCCGGGCCAGTACTC
 CGCAGGTGCTGTGGCGGGTTGGCAGCTGTGGTGGTTTTCTCATCGTTTTACCGTGGTAGGCAATGTG
 CTCGTGGTGATCGCTGTGTTGACCAGCCGAGCACTGCGCGCCCCGAGAACCCTTCTCTGGTGTCTCTGG
 CCTCAGCTGACATCTGGTGGCCACACTGGTCATGCCCTTTCTCTGGCCAATGAGCTCATGGCCTACTG
 GTACTTCGGGCAAGTGTGGTGTGGTGTATACCTGGCACTGGACGTGCTTCTGACCTCGTCCATCGTG
 CACCTGTGTGCCATTAGTCTGGACCGCTACTGGTCGGTGACGCAAGCGGTAGAGTACAACCTGAAGCGCA
 CGCCGCGCGGTGTCAAGGCCACCATCGTGGCCGTGTGGCTCATCTCCGCTGTATCTCTCCCGCCTCT
 CGTCTCGTTCTACCGCCGCCCCAGCGGCCCGCTATCCGCACTGCGGCCTCAACGATGAGACCTGGTAC
 ATCTTGTCTCTGCATAGGCTCCTTCTCGCGCCCTGCCTCATATGGGCTGGTCTATGCGCGCATCT
 ACCGCGTGGCCAAGCTGCGCACGCGTACGCTCAGCGAGAAACGCGGCCCGCCGGCCCCGACGGCGCGTC
 CCCGACCACAGAGAAATGGGCTGGCAAGGCAGCGGGGAGAACGGGCATTGCGCGCCCCGCGCACTGAA
 GTGGAGCCGGATGAGAGCAGTGGCGCCGAGAGCGGAGGCGCGCGGGGCGCGCTGCGCAGAGGAGGACGGC
 GCGAGAGGGTGTGAGGGGACACGGGCAGTGGCGACGACCGGGACCGGGACTGGCAGCCGAGCAGGG
 TGCTCGGACGGCGTCTCGGTCCCAGGCCCGGAGGGCGCCTGTGCGGGCCAGCTCGCGCTCCGTGAG
 TTCTTCTGTGCGTGTGGCGCCGGGCGCGCAGCAGTGTGTGCCCGCAAGGTGGCCAGGCACGCGGAGA
 AGCGCTCACCTTCGTGTTGGCGTGGTCATGGCGTGTTCGTAAGTGTGCTGGTCCCCTCTTCTTCAG
 CTACAGCCTGTATGGCATCTGCCGTGAGGCCTGCCAGTTGCCAGAACCGCTCTTTAAGTTTTTCTCTGG
 ATCGGCTACTGCAACAGTTCGCTCAACCCGGTCTACTACTGTCTTCAATCAGGACTTCAGGCGCTCTT
 TCAAGCATATCTCTTTGAAAGGAGGAGAAGGGCTTCAGGCAATGA

AC**CGGCCCGC**TCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
 TTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-NotI

ACCN: NM_007418

Insert Size: 1377 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_007418.3](#), [NP_031444.2](#)
RefSeq Size: 3214 bp
RefSeq ORF: 1377 bp
Locus ID: 11553
UniProt ID: [Q01337](#)
Cytogenetics: 5 18.09 cM
Gene Summary: Alpha-2 adrenergic receptors mediate the catecholamine-induced inhibition of adenylate cyclase through the action of G proteins.[UniProtKB/Swiss-Prot Function]