

## Product datasheet for **MC216245**

### Adra2a (NM\_007417) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adra2a (NM_007417) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adra2a
Synonyms:	Adra-2; Adra-2a; alpha(2A)AR; alpha2-C10; alpha2A; alpha2A-AR; AW122659
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC216245 representing NM\_007417  
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTTCCGCCAGGAGCAGCCGCTGGCCGAGGGCAGCTTTGCGCCCATGGGCTCACTGCAGCCGGATGCCG  
 GCAACAGCAGCTGGAACGGGACCGAAGCGCCCGGAGGCGGCACCCGAGCCACCCCTACTCCCTGCAGGT  
 GACACTGACGCTGGTTTGCCTGGCTGGCCTGCTCATGCTGTTACAGTATTTGGCAACGTCTGGTTATT  
 ATCGCGGTGTTACACAGTCGCGCGCTCAAAGCTCCCAAAACCTTCTCCTGGTGTCCCTGGCCTCAGCGG  
 ACATCCTGGTGGCCACGCTGGTCATTCCCTTTTCTTTGGCCAACGAGTTATGGGTTACTGGTACTTTGG  
 TAAGGTGTGGTGTGAGATCTATTTGGCTCTCGACGTGCTCTTTTGCACGTGCTCCATAGTGCACCTGTGC  
 GCCATCAGCCTTGACCGCTACTGGTCCATCACGAGGCCATCGAGTACAACCTGAAGCGCACGCCGCGTC  
 GCATCAAGGCCATCATTGTACCGTGTGGGTATCTCGGTGTCATCTCCTTCCCGCCACTCATCTCCAT  
 AGAGAAGAAGGGCGCTGGCGGCGGCAGCAGCCGCGCCAGCCAAGCTGCAAGATCAACGACCAGAAGTGG  
 TATGTCATCTCCTCGTCCATCGTTTCTTCTTCGCGCCTTGCCCTCATCATGATCCTGGTCTACGTGCGTA  
 TTTACCAGATCGCCAAGCGTGCACCCGCGTGCCTCCAGCCGCGGGGTCCGGACGCTGTTCCCGGCC  
 GCCGGGGGGCGCGATCGCAGGCCAACGGGTGGGCCCGGAGCGCGCGCGGGTCCACGGGCGCTGAG  
 GCGGAGCCGCTGCCACCCAGCTTAACGGTGCCCGGGGGAGCCCGCGCCCGCGGGGCCCGCGATGGGG  
 ATGCGCTGGACCTAGAGGAGAGTTTCGTGTCGAGCAGCCGAGCGGCCCGGGGGCCCCGAGACCCGA  
 CCGCGGCCCGAGCCAAGGGCAAGACCCGGGCGAGTCAAGTGAAGCCGGGGACAGTCTGCCGCGGCGC  
 GGGCCCCGGGGCCCGGGGCCGGGGCTTCGGGGTCCGGGCACGGAGAGGAGCGCGGGGGGCCCAAAG  
 CGTCGCGCTGGCGGGGAGGCAAAACCGGGAGAAACGCTTACGTTCTGTGCTGGCGGTGGTATCGCGCT  
 GTTCGTGGTGTGGTTGGTTCCGTTCTTTTTCACCTACACGCTCATAGCGTTCGGCTGCCCGTGCCCGAGC  
 CAGCTCTTCAACTTCTTCTGTTTCGGCTACTGCAACAGCTCGCTGAACCCTGTTATCTACACCATCT  
 TCAACCACGACTTCCGACGCGCCTTCAAGAAGATCCTCTGCCGTGGGGACAGAAAACGCATCGTGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_007417

**Insert Size:** 1398 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:	<a href="#">BC138531</a> , <a href="#">AAI38532</a>
RefSeq Size:	2649 bp
RefSeq ORF:	1398 bp
Locus ID:	11551
UniProt ID:	<a href="#">Q01338</a>
Cytogenetics:	19 49.04 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]