

Product datasheet for **MC215916**

Adra2b (NM_009633) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adra2b (NM_009633) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adra2b
Synonyms:	a2b-AR; Adra-2b; alpha2-C2; alpha2B; [a]2B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC215916 representing NM_009633
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCCGGCCCCGCCATGGTCCACCAGGAGCCCTACTCGGTGCAGGCCACCGCCGCATCGCGTCGGCCA
 TCACCTTTCTCATCCTCTTACCATTTTCGGCAATGCGCTGGTAATTCTGGCTGTGTTGACCAGCCGCTC
 TCTCCGTGCACCACAAAACCTTCTCTGGTGTCACTGGCAGCAGCCGACATCCTAGTGGCTACTCTTATC
 ATCCCTTTCTCTGGCCAACGAGCTGCTGGGCTATTGGTACTTCTGGCGTGCCTGGTGCAGGTTACTAC
 TGGCGCTAGACGTGCTTCTGTACCTCCTCCATCGTGCACCTGTGTGCCATCAGTCTGGACAGATACTG
 GGCAGTGAGCCGAGCATTGGAGTACAACCTCAAGCGCACTCCACGCCGCATCAAATGCATCATCCTCACC
 GTGTGGCTCATTGCAGCCGTCATTTCTTACCGCCCTCATCTACAAGGGCGACCAGCGCCAGAGCCCC
 ACGGGCTCCCCAGTGTGAGCTCAACCAAGAAGCCTGGTACATCTGGCTTCCAGCATCGGATCTTTTTT
 TGCTCCCTGCCTCATCATGATTCTCGTCTACCTGCGAATCTATGTAATTGCCAAACGCAGCCACTGCAGA
 GGTCTCGGAGCTAAGAGGGGCTCTGGGGAGGGTGAAGTCCAAGAAGCCCCATCCGGCCGCCGGGGAGTTC
 CAGCCTCGGCTAAAGTGCCACCCTGGTCTCTCCTCTATCTTCTGTGGAGAGGCTAATGGACACCCCAA
 GCCTCAAAGGGAGAAGGAGGAGGGGGAGACCCCTGAAGATCCCAGAGCCAGGGCTTTGCCACCCAATTGG
 TCTGCCCTGCCAGATCAGTCCAGGACCAGAAGAAGGGGACTAGTGGGGCAACTGCAGAGAAGGGAGCTG
 AAGAGGATGAAGAGGAGGTGGAAGAATGTGAACCCCAACACTGCCAGCTTCTCCTGCCTCAGTATTCAA
 CCCACCTTGCAGCAGCCTCAGACTTCCGGGTGCTGGCCACGCTACGTGGCCAGGTGCTTCTGAGCAAG
 AATGTGGGTGTGGCCAGTGGGCAGTGGTGGCCCGTCGGACACAGCTGAGCCGAGAGAAGAGGTTACCT
 TTGTGCTGGCGGTGGTCATTGGTGTGTTTTGTGGTCTGTTGGTTTTCTTTCTTCTCAGCTACAGCCTGGG
 GGCCATCTGCCACAGCACTGCAAGGTACCCCATGGCCTTCCAGTCTTCTTCTGGATTGGCTACTGC
 AACAGCTCTTGAATCCTGTCATCTACCCATCTTCAACCAGGACTTCCGCCGTGCTTTTGAAGGATCC
 TTTGCCGGCAGTGGACCCAGACTGGCTGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_009633

Insert Size: 1362 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_009633.3](#), [NP_033763.2](#)

RefSeq Size: 3936 bp

RefSeq ORF: 1362 bp

Locus ID: 11552

UniProt ID: [F8VQ23](#)

Cytogenetics: 2 61.95 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]