

## Product datasheet for **RN215626**

### **Adra2c (NM\_138506) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Adra2c (NM_138506) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Adra2c
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN215626 representing NM\_138506  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGTCCCCAGCGCTGGCCGCGGCCCTGGCGCGCGCGCGCTGAGGGCCCCAACGGGAGCGACGCGG  
 GCGAATGGGGTAGCGGCGGGGGTGCCTCGGGGACCGACTGGGCACCACCGCCGGGCCAGTACTC  
 CGCAGGTGCTGTGGCAGGGCTGGCAGCCGTGGTGGGTTTCTCATCGTTTTACCGTGGTGGCACCCTG  
 CTCGTGGTGTGCTGTGTTGACAAGCCGAGCGCTGCGCGCCCCGAGAACCCTTCTCTGGTGTCTCTGG  
 CCTCAGCTGACATCTGGTGGCCACACTGGTATGCCCTTTTCGCTGGCCAATGAGCTCATGGCCTACTG  
 GTACTTTGGCAAGTGTGGTGTGGTGTGTACCTGGCACTGGACGTGCTTCTGCACCTCGTCCATCGT  
 CACCTGTGTGCCATTAGCCTGGACCGCTACTGGTCGGTGACGCAAGCGGTAGAGTACAACCTGAAGCGCA  
 CGCCACGCGGTGCAAGGCCACCATCGTGGCCGTGTGGCTCATCTCGGCTGTATCTCTCCCGCCTCT  
 CGTCTCTTTCTACCGCCGCGCCGACGGCGCCGCTACCCGCACTGCGGCCTCAACGATGAGACCTGGTAC  
 ATCTTGTCTCTGCATAGGCTCCTTCTCGCGCCCTGCCTCATCATGGCCTGGTCTATGCGCGCATCT  
 ACCGCGTGGCCAAGCTGCGCACGCGTACGCTCACGGAGAAACGCGGCCCGCCGGCCCCGACGGCGCGT  
 CCCGACCACAGAGAAATGGGTTGGCAAGGCGCGGGGAGAATGGGCATTGCGCGCCCCGCGCACTGAA  
 GTGGAGCCGGATGAGAGCAGCGCGCAGAGAGGCGGAGGCGCGGGGAGCGCTGCGCAGAGGAGGACGGC  
 GCGAGAGGGTGGCAGGGGGACACGGGAGTGGCGACGACCGGGACCTGGGTTGGCGGCCGAACAGGG  
 TGCTCGGACGGCGTCTCGGTCTCCAGGCCCCGAGGGCGCCTGTGCGGGCCAGCTCGCGCTCCGTGAG  
 TTCTTCTGTGCGTGGCGCGGGCGCGCAGCAGTGTGTGCCCGCAAGGTGGCCAGGCGCGCGAGA  
 AACGTTACCTTCGTGTTGGCGTGGTATGGCGGTTCGTAAGTGTGCTGGTTCCTCTTCTTCTCAG  
 CTACAGCCTGTATGGCATCTGCCGTGAGGCTGCCAGCTGCCAGAACCGCTCTTTAAGTTTTTCTCTGG  
 ATCGGCTACTGCAACAGTTCGCTCAACCCGTCATCTATACTGTCTTCAATCAGGACTTCAGGCGCTCT  
 TCAAGCACATCTCTCCGTAGGAGGAGAAGGGCTTCAGGCAGTGA

AC**CGGGCCG**CTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA  
 TTACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja2718\\_g08.zip](https://cdn.origene.com/chromatograms/ja2718_g08.zip)

**Restriction Sites:** SgfI-NotI

**ACCN:** NM\_138506

**Insert Size:** 1377 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_138506.1</a></u> , <u><a href="#">NP_612515.1</a></u>
<b>RefSeq Size:</b>	1704 bp
<b>RefSeq ORF:</b>	1377 bp
<b>Locus ID:</b>	24175
<b>UniProt ID:</b>	<u><a href="#">P22086</a></u>
<b>Cytogenetics:</b>	14q21
<b>Gene Summary:</b>	Alpha-2 adrenergic receptors mediate the catecholamine-induced inhibition of adenylate cyclase through the action of G proteins.[UniProtKB/Swiss-Prot Function]