

## Product datasheet for **MC227643**

### Adra1a (NM\_001271759) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adra1a (NM_001271759) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adra1a
Synonyms:	Adr; Adra1c
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC227643 representing NM_001271759 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGTGCTCTTTCTGAAAATGCTTCTGAAGGCTCCAACCTGCACCCACCCGCCAGCACAGGTGAACATTT  
CTAAGGCCATTCTACTTGGGGTATCTTGGGGGCCTCATATTTTCGGGGTCTTGGGGAATATTTTGT  
GATCCTCTCGGTGGCCTGTCATCGGCATCTGCACTCGGTGACTCACTACTACATTGTCAACCTGGCTGTG  
GCAGACCTCCTCCTCACCTCCACCGTGCCTTCTCTGCCATCTTTGAGATCCTGGGCTACTGGGCTT  
TTGGCAGGGTGTCTGCAACATCTGGGCGCGGTGGACGTCTTATGCTGCACAGCGTCCATCATGGGCT  
CTGCATCATCTCCATCGACCGATACATTGGTGTGAGCTACCCGCTGCGCTACCCACCATTTGCACCCAG  
AGGAGGGGCGTCAGGGCTCTGCTCTGCTGCTGGGCGCTTTCCTTGGTCATCTCCATCGGACCCCTGTTG  
GCTGGAGGCAGCAGGCTCCGGAGGATGAGACCATCTGCCAAATCAATGAGGAGCCAGGATACGTGCTGTT  
CTCAGCGCTGGGCTCTTCTACGTGCCACTGACCATCATCCTGGTTATGTACTGTCGAGTCTACGTGGTA  
GCCAAGAGAGAAAAGCCGAGGCCCAAGTCCGGCCTCAAGACCGACAAGTCAGACTCAGAGCAAGTGACGC  
TCCGTATCCACCGTAAAAATGTCCCTGCAGAAGCAGCGGAGTAAGCAGTGCCAAAGAATAAGACTCACTT  
CTCCGTGAGGCTGCTCAAGTTTTCCCGAGAGAAGAAAGCCGCAAGACGCTGGGCATTGTGGTGGGATGC  
TTCGTCCTCTGCTGGCTGCCATTCTTCCGTGATGCCATTGGGTCTTCTTCCCGAATTTCAAGCCAC  
CGGAAACAGTTTTCAAAATAGTATTTTGGCTTGGGTACCTAAATAGTTGCATCAACCCTATCATATACCC  
ATGCTCCAGCCAGGAGTTCAAGAAAGCCTTTCAGAATGTGCTGCGAATCCAGTGTCTTCGAGAAGGCAG  
TCTTCCAAGCATGCCCTGGGCTACACTCTGCACCCACCCAGCCAGGCTGTAGAGGGGCAGCACAGAGGCA  
TGGTGCGTATCCCGTGGGCTCAGGAGAGACTTCTATAAGATCTCCAAGACAGATGGAGTCCGTGAATG  
GAAGTTTTCTCTTCCATGCCCCAGGGATCGGCCAGGATTACCATGCCGAAGGACCAATCCGCTGTACC  
ACAGCCCGGGCTTTTATCCA**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001271759
<b>Insert Size:</b>	1284 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>NM_001271759.1, NP_001258688.1</u>
<b>RefSeq Size:</b>	4118 bp
<b>RefSeq ORF:</b>	1284 bp
<b>Locus ID:</b>	11549
<b>Cytogenetics:</b>	14 D1
<b>Gene Summary:</b>	<p>This gene encodes one of several multipass transmembrane proteins that function as G protein-coupled receptors. The encoded protein binds to epinephrine and norepinephrine to mediate signaling in cells of the cardiac, nervous, and other organ systems. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2012]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and uses an alternate splice site in the 3' coding region, which results in a frameshift, compared to variant 1. The encoded isoform (2) is shorter and has a distinct C-terminus, compared to isoform 1.</p>