

Product datasheet for **MC227844**

Adra1a (NM_001271760) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adra1a (NM_001271760) 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



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Fully Sequenced ORF: >MC227844 representing NM_001271760
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTGCTCTTTCTGAAAATGCTTCTGAAGGCTCCAACCTGCACCCACCCGCCAGCACAGGTGAACATTT
 CTAAGGCCATTCTACTTGGGGTATCTTGGGGGGCCTCATCATTTTCGGGGTCTTGGGGAATATTTTAGT
 GATCCTCTCGGTGGCCTGTCATCGGCATCTGCACTCGGTGACTACTACTACATTGTCAACCTGGCTGTG
 GCAGACCTCCTCCTCACCTCCACCGTGTGCCCTTCTCTGCCATCTTTGAGATCCTGGGCTACTGGGCT
 TTGGCAGGGTGTCTGCAACATCTGGCGGGCGGTGGACGTCTTATGCTGCACAGCGTCCATCATGGGCT
 CTGCATCATCTCCATCGACCGATACATTGGTGTGAGCTACCCGCTGCGCTACCCACCATTGTCACCCAG
 AGGAGGGCGTCAAGGCTCTGCTCTGCTCTGGGCGCTTTCCTTGGTCATCTCCATCGGACCCCTGTTCC
 GCTGGAGGCAGCAGGCTCCGGAGGATGAGACCATCTGCCAAATCAATGAGGAGCCAGGATACGTGCTGTT
 CTCAGCGCTGGGCTCTTTCTACGTGCCACTGACCATCATCTGGTTATGTACTGTGAGTCTACGTGGTA
 GCCAAGAGAGAAAAGCCGAGGCCCTCAAGTCCGGCCTCAAGACCGACAAGTCAGACTCAGAGCAAGTGACGC
 TCCGTATCCACCGTAAAAATGTCCTGCAGAAGGCAGCGGAGTAAGCAGTGCCAAGAATAAGACTCACTT
 CTCCTGAGGCTGCTCAAGTTTTCCCGAGAGAAGAAAGCCGCAAGACGCTGGGCATTGTGGTGGGATGC
 TTCGTCCTCTGCTGGCTGCCATTCTTCTCGTGATGCCATTGGGTCTTCTTCCCGAATTTCAAGCCAC
 CGGAAACAGTTTTCAAATAGTATTTGGCTTGGGTACCTAAATAGTTGCATCAACCCTATCATATACCC
 ATGCTCCAGCCAGGAGTTCAAGAAAGCCTTTGAGAATGTGCTGCGAATCCAGTGTCTTCGAGAAGGCAG
 TCTTCCAAGCATGCCCTGGGCTACACTCTGCACCCACCCAGCCAGGCTGTAGAGGGGCAGCACAGAGGCA
 TGGTGGTATCCCGTGGGCTCAGGAGAGACTTTCTATAAGATCTCCAAGACAGATGGAGTCCGTGAATG
 GAAGTTTTTCTCTTCCATGCCCCAGGGATCGGCCAGGATTACCATGCCGAAGGACCAATCCGCCTGTACC
 ACAGCCCGGGTGAGAAGTAAAAGCTTTTTGCAGGTCTGCTGCTGTGTGGGGTCTGCGACCCACGCCCTG
 AAGAAAATCACCAAGTTCCAACCATTAAGATCCACACCATCTCCCTCGGTGAAAACGGGGAGGAAGTCTA
 G

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001271760
- Insert Size:** 1401 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001271760.1](#), [NP_001258689.1](#)

RefSeq Size: 3814 bp

RefSeq ORF: 1401 bp

Locus ID: 11549

UniProt ID: [P97718](#)

Cytogenetics: 14 D1

Gene Summary: 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]
Transcript Variant: This variant (3) differs in the 5' UTR, compared to variant 1. Both variants 1 and 3 encode the same isoform (1).