

Product datasheet for **RN205135**

Adra1a (NM_017191) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adra1a (NM_017191) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Adra1a
Synonyms:	Adra1c
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN205135 representing NM_017191
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTGCTTCTCTGAAAATGCTTCGGAAGGCTCCAACCTGCACCCACCACAGCTCCGGTGAACATTT
 CTAAGGCCATTCTGCTTGGGGTATCTTGGGGGCCTCATCATTTTCGGAGTCTGGGGAACATTTTAGT
 GATCCTCTCAGTGGCCTGTCATCGGCATCTGCACTCCGTGACTACTACTACATTGTCAACCTGGCTGTG
 GCAGACCTCCTCCTCACCTCCACTGTGCTGCCCTTCTCTGCCATCTTTGAGATCCTGGGCTACTGGGCT
 TTGGCAGGGTGTCTGCAATATCTGGGCGCCGTGGACGTCTTATGCTGCACAGCGTCCATCATGGGCT
 CTGCATCATCTCCATCGACCGATACATTGGTGTGAGCTACCCGCTGCGCTATCCCACCATTGTCACCCAG
 AGGAGGGCGTCAGGGCTCTGCTCTGCTCTGGGTGCTTTCTTTGGTCATCTCCATCGGACCCTGTTCG
 GCTGGAGGCAGCCGGCTCCAGAGGATGAGACCATCTGCCAGATCAATGAGGAGCCGGGCTACGTGCTGTT
 CTCAGCGCTGGGCTCTTTCTACGTGCCACTGGCCATCATTCTGGTTATGTACTGTCGAGTCTACGTAGTA
 GCCAAGAGAGAAAAGCCGGGCTCAAGTCCGGCTCAAGACGGACAAGTCAGACTCAGAGCAAGTGACGC
 TCCGATCCACCCTAAAAATGTCCTGCAGAAGGCGGGGAGTCAGCAGTGCCAAGAATAAGACTCACTT
 CTCAGTGAGGCTGCTCAAGTTTTCTCGAGAGAAGAAAGCTGCCAAGACGCTGGGCATCGTGGTGGTTGC
 TTCGTCCTCTGCTGGCTGCCGTTCTTCTAGTGATGCCATTGGGTCTTTCTTCCCGGATTTCAAGCCTT
 CGGAAACCGTTTTTAAAATAGTATTTGGCTCGGGTATCTAAATAGTTGCATCAACCCTATCATATACCC
 ATGCTCCAGCCAGGAGTTCAAGAAAGCCTTTGAGAATGTCCTGCGAATCCAGTGTCTTCGAGAAGGCAG
 TCTTCCAAGCATGCCCTGGGCTATACCTGCACCCGCCAGGCTCTAGAGGGACAGCACAGAGACA
 TGGTGCGTATCCCGTGGGCTCGGGAGAGACTTCTATAAGATCTCCAAGACAGATGGAGTCTGTGAATG
 GAAGTTTTTCTCTTCCATGCCCCAGGGATCGGCCAGGATTACAGTGCCAAAGGACCAATCTGCCTGTACC
 ACAGCCCGGGTGAGAAGTAAAAGCTTTTTGCAGGTCTGCTGCTGTGTGGGTCTCGGCCCGCGCCCTG
 AAGAAAATCACCAAGTCCAACCATTAAGATCCACACCATCTCCCTCGGTGAAAACGGGGAGGAAGTCTA
 G

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2050_g05.zip

Restriction Sites: SgfI-MluI

ACCN: NM_017191

Insert Size: 1401 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 or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<ol style="list-style-type: none">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:	<u>NM_017191.2</u> , <u>NP_058887.2</u>
RefSeq Size:	1428 bp
RefSeq ORF:	1401 bp
Locus ID:	29412
UniProt ID:	<u>P43140</u>
Cytogenetics:	15p12
Gene Summary:	binds adrenergic compounds and analogs; activates phospholipase C mediated signal transduction [RGD, Feb 2006]