

Product datasheet for **RR208496**

Adra1d (NM_024483) Rat Tagged ORF Clone

Product data:

| | |
|--------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Adra1d (NM_024483) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Adra1d |
| Synonyms: | Adrd1 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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ORF Nucleotide Sequence:

>RR208496 representing NM_024483
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGACTTTCGCGACATCCTGAGCGTCACTTTCGAAGGACCCCGTTCGAGCAGTAGCACTGGGGCTCCG
 GCGCGGGCGGCGAGCTGGCACGGTTGGCCCCGAGGGTGGGGCGGTGGGCGCGTCCCGGGCTACAGG
 CGGCGGGCTGTGGTGGGAACCGCAGCGGCGAGGACAACCAGAGCTCCACGGGAGAACCGGAGCCGCG
 GCGAGCGGCAAGTAAATGGCTCGGCGGCCGTCGGGGGGCTAGTGGTGAAGTCTCAGGGCGTGGAGTGG
 GTGTCTTCTGGCGCCTTCATCCTCACCGCTGTGGCGGCAACCTGCTGGTCACTCTTTCGGTGGCCTG
 CAACCGCCACCTACAGACGGTACCAACTATTTTCATCGTGAACCTGGCGGTGGTACCTGCTTTTGAAGT
 GCAGCTGTGTGCCCTTCTCAGCCACTATGGAGGTTCTAGGCTTCTGGGCCTTCGGCCGAACCTTCTGCG
 ACGTGTGGGCGCGGTGGACGTGTGTGCTGCACTGCCTCCATCCTTAGCCTCTGCACCATCTCTGTGGA
 CCGGTACGTGGGTGTGCCCACTCGCTCAAGTACCCAGCCATTATGACAGAGCGCAAGGCCGCTGCCATT
 CTGGCTCTGCTTTGGGCGGTGGCCCTGGTGGTATCTGTGGGACCGCTACTAGGTTGGAAGGAGCCAGTGC
 CCCCAGATGAGCGTTTCTGCGGCATCACCGAGGAGGTGGGCTATGCAATCTTCTCTTCCGTGTGCTCCTT
 CTACCTACCCATGGCAGTGTGCTGATGACTGCCGCGTGTACGTGGTTCGCACGCAGCACTACGCGC
 AGCCTCGAGGCAGGCATCAAGAGGGAGCCCGCAAGGCCCTCCGAGGTGGTTCGAGGATCCACTGTCCGC
 GCGCAGCGACAGCGCAAAAGGATATCCCGAACAACAGAGTAGCAAGGGCCACACCTTGGCAGCTCGCT
 TTCCGTGAGGCTGCTCAAGTTCCTCCCGGAGAAAAAGGCTGCCAAGACGTTGGCCATCGCTGTGGGTGTC
 TTCGCTGTGTGGTTCCTTCTTCTCGTCTGCCTCTGGGCTCTGTTCCCGCAGCTGAAACCGT
 CAGAGGGTGTCTCAAGGTCACTTCTGGCTGGGCTACTTCAATAGCTGTGTGAACCCGTCATCTACCC
 CTGCTCCAGTCGCGAGTTCAAGCGCGCCTTCTCCGCTCCTGCGCTGCCAGTGTGCGCCGCGCCGCGC
 CGCTCTGGGCGAGTCTACGGCCACCCTGGCGAGCCTCGACCGCGCAGCGCGTTCGACTGCGCCCCCA
 GCCCTCGCATCGCTCCCCCGGGGCCCTCTAGCCCTCACTGCACACCCGGGTGCGGGCTCGGCAGACAC
 GCCGGAGACGCAGGATTCGGTCTCCAGCAGTCGAAAGCCAGCCTCCGCCCTCCGGGAGTGGAGACTGCTC
 GGGCCGCTACAGAGACCCAGCCAGCTGCGTGCAGGAGTTCAGCCTGTCCATAAGATTGCTCTG
 GGGCCCGCGCGGAGACTGCGTGTGCCCTGCGCTCCGAGGTAGAAGCAGTGTCCCTAAATGTTCCCA
 AGATGGGGCAGAAGCTGTATCTGCCAGGCTTATGAGCCGGGCGACTACAGCAACCTCCGAGAGACTGAC
 ATT

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR208496 representing NM_024483
 Red=Cloning site Green=Tags(s)

MTFRDILSVTFEGPRSSSTGGSGAGGAGTVGPEGGAVGGVPGATGGGAVVGTGSGEDNQSSSTGEPGAA
 ASGEVNGSAAVGLVVSQAQVGVVFLAAFILTAAGNLLVILSVACNRHLQTVTNFYIVNLAVADLLLS
 AAVLPFSATMEVLGFWAFGRFTCDVWAAVDVLCCTASILSLCTISVDRYVGVVRLSLKYPALMTERKAAAI
 LALLWAVALVVSVPGLLWKEPVPVDERFCGITEEVGYAIFSSVCSFYLPMAVIVVMYCRVYVVARSTTR
 SLEAGIKREPGKASEVVLRIHCRGAATSAGKYPGTQSSKGHTLRSSLVRLKFSREKKAAKTLAIVVGV
 FVLCWFPPFFVLPGLSLFPQLKPSGKVFVIFWLGYNFSCVNPLIYPCSSREFKRAFLRLRCQCRRRRR
 RLWAVYGHWRSTGDARSDCAPSPRIAPPAPLALTAHPGAGSADTPETQDSVSSSRKPASALREWRL
 GPLQRPTTQLRAKVSSLSHKIRSGARRAETACALRSEVEAVSLNVPQDGAEAVICQAYEPGDYSNLRETD
 I

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

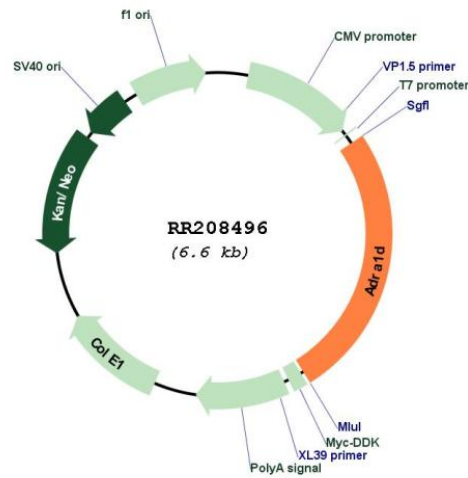
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_024483
 ORF Size: 1683 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.

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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_024483.1](#), [NP_077809.1](#)

RefSeq Size: 2939 bp

RefSeq ORF: 1686 bp

Locus ID: 29413

UniProt ID: [P23944](#)

Cytogenetics: 3q36

MW: 59.4 kDa

Gene Summary: adrenergic receptor showing high affinity for the antagonist WB4101 and agonists phenylephrine and methoxamine [RGD, Feb 2006]