

Product datasheet for **MG222643**

Adra1d (NM_013460) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adra1d (NM_013460) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Adra1d
Synonyms:	Adra-1; Adra1; Adra1a; alpha1D-AR; Gpcr8; Spr8; [a]1d
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG222643 representing NM_013460
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGACTTTCGCGACATCCTGAGCGTCACTTTCGAAGGACCCCGGCGAGCAGTAGCACTGGGGCTCCG
 GCGCGGGCGGCGAGCTGGCACGGTTGGCCCCAGGGTCCGGCGGTGGGCGCGTCCGGGTGCCACAGG
 CGGTAGCGCTGTGGTGGAAACCGCAGCGGCGAGGACAACCAGAGCTCCACGGCAGAAGCGGGGGCCGCG
 GCAAGCGGCGAGGTGAATGGCTCGGCGGCCGTCGGGGGGCTAGTGGTGAAGTCTCAGGGCGTGGGAGTGG
 GTGTCTTCTAGCCGCTTCATCCTCACCGCTGTGGCGGCAACCTTCTCGTCATCCTCTCCGTGGCCTG
 CAACCGCCACTTGCAGACGGTACCAACTATTTTCATCGTGAACCTAGCAGTGGTACCTGCTACTGAGT
 GCAGCTGTGTGCCCTTCTCAGCCACTATGGAGGTTCTAGGCTTCTGGGCCTTCGGCCGACCTTCTGCG
 ACGTATGGGCGCGGTGGACGTGCTATGCTGCACTGCCTCCATCCTTAGCCTCTGCACCATCTCTGTGGA
 CCGGTACGTGGGTGTGCCCACTCGCTCAAGTATCCAGCCATTATGACAGAACGCAAGGCCGCTGCCATT
 CTGGCTCTGCTCTGGGCGGTGGCCTTGGTGGTATCTGTGGGACCCTACTAGGTTGGAAGGAACAGTGC
 CCCCAGATGAGCGTTTCTGCGGCATCACCGAGGAGGTGGGCTATGCGATCTTCTTCCGTATGCTCCTT
 CTACCTCCCCATGGCAGTGTATGCTGTCATGACTGCCGCGTGTATGTGGTCCGCGCAGCACCACGCGC
 AGCCTCGAGGCGGGCATCAAGAGGGAGCCGGGCAAGGCCCTGAGGTGGTTCAGAGGATCCACTGTCCGG
 GCGCAGCCACTAGCGCCAAAGGAAATCCAGGGACACAGAGTAGCAAGGGGACACCTTGGCAGCTCGCT
 CTCCGTAAGGCTGCTCAAGTTTTCCCGCGAGAAAAGGCTGCCAAGACCCTAGCCATCGTCGTGGGTGTC
 TTCGCTGTGCTGGTCCCTTTTTCTTCGCTCCTGCCTCTGGGTTCTCTGTTCCCTCAGCTGAAACCAT
 CAGAGGGCGTCTCAAGGTCACTTCTGGCTGGGCTACTTCAATAGCTGTGTGAACCCGTCATCACC
 CTGCTCCAGTCGCGAGTTCAAGCGCGCCTTCTCCGCTCCTGCGCTGCCAGTGTCCGCGCCGCGCCGCGC
 CGCTCTGGCGAGTCTACGGCCACCCTGGCGAGCCTCGACCGCGACCCGCGCTCCGACTGTGCCCCCA
 GCCCGCATCGCACCCCGGGGCTCCCTAGCCCTCACTGCACACCCAGGCCCGGGCTCCGTAGACAC
 GCCGGAGGCGCAGGCTTCGGTCTCCGGCGTCGAAAGCCAGCCTCCGCCCTCCGGGAGTGGAGGCTGCTT
 GGGCCGCTACAGAGACCCACGACCCAGCTGCGTGCAGGAGTGTCCAGCCTGTCCATAAGTTCGCTCTG
 GGGGCGCGCGCGCGGAGACTGCGTGTGCCCTGCGCTCGGAGGTAGAAGCAGTGTCCATAAATGTTCC
 CCAAGACGGGCGAGGCTGTCATCTGCCAGGCTTATGAGCCGGGCGACCTCAGCAACCTCCGGGAGACT
 GACATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG222643 representing NM_013460
 Red=Cloning site Green=Tags(s)

MTFRDILSVTFEGPRASSSTGGSGAGGGAGTVGPEGPAVGGVPGATGGSVAVGTGSGEDNQSSAEAGAA
 ASGEVNGSAAVGGGLVVAQGVGVVFLAAFILTAAGNLLVILSVACNRHLQTVTNYFIVNLAVADLLLS
 AAVLPFSATMEVLGFWAFGRFTCDVWAAVDVLCCTASILSLCTISVDRYVGVHRSLKYPAIMTERKAAAI
 LALLWAVALVVSVPGLLWKEPVPVDERFCGITEEVGYAIFSSVCSFYLPMAVIVVMYCRVYVVARSTTR
 SLEAGIKREPGKASEVLRIHCRGAATSAGKGNPGTQSSKGHTLRSSLVRLKFSREKKAAKTLAIVVGV
 FVLCWFPPFFVLPGLSLFPQLKPSSEGVFKVIFWLGYNFCVNPLIYPCSSREFKRAFLRLRCQCRRRRR
 RLWRVYGHHRASTGDPRSDCAPSPRIAPPAPLALTAHPGPGSVDTPEAQASVSGRRKPASALREWRL
 GPLQRPTTQLRAKVSSLSHKFRSGGARRAETACALRSEVEAVSLNVPQDGAEAVICQAYEPGDLNLR
 DI

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_013460

ORF Size: 1686 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](#)

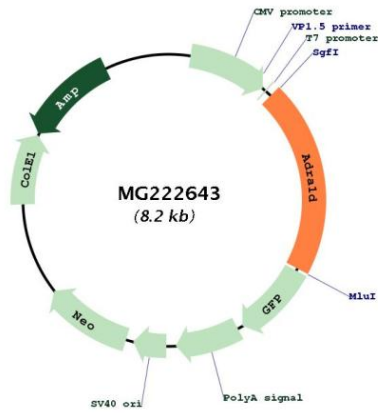
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_013460.5](#)
 RefSeq Size: 2394 bp
 RefSeq ORF: 1689 bp
 Locus ID: 11550
 Cytogenetics: 2 63.5 cM

Product images:



Circular map for MG222643