

Product datasheet for **MR222643**

Adra1d (NM_013460) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adra1d (NM_013460) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adra1d
Synonyms:	Adra-1; Adra1; Adra1a; alpha1D-AR; Gpcr8; Spr8; [a]1d
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR222643 representing NM_013460
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGACTTTCGCGACATCCTGAGCGTCACTTTCGAAGGACCCCGGCGAGCAGTAGCACTGGGGCTCCG
 GCGCGGGCGGCGAGCTGGCACGGTTGGCCCCAGGGTCCGGCGGTGGGCGCGTCCCGGTGCCACAGG
 CGGTAGCGCTGTGGTGGAAACCGCAGCGGCGAGGACAACCAGAGCTCCACGGCAGAAGCGGGGCGCG
 GCAAGCGGCGAGGTGAATGGCTCGGCGGCGTGGGGGGCTAGTGGTGAAGTCTCAGGGCGTGGAGTGG
 GTGTCTTCTAGCCGCTTATCCTCACCGCTGTGGCGGCAACCTTCTCGTCATCCTCTCCGTGGCCTG
 CAACCGCCACTTGCAGACGGTACCAACTATTTTCATCGTGAACCTAGCAGTGGTGCCTGACTGACTGAGT
 GCAGCTGTGTGCCCTTCTCAGCCACTATGGAGGTTCTAGGCTTCTGGGCCTTCGGCCGACCTTCTGCG
 ACGTATGGGCGCGGTGGACGTGCTATGCTGCACTGCCTCCATCCTTAGCCTCTGCACCATCTCTGTGGA
 CCGGTACGTGGGTGTGCCCACTCGCTCAAGTATCCAGCCATTATGACAGAACGCAAGGCCGCTGCCATT
 CTGGCTCTGCTCTGGGCGGTGGCCTTGGTGGTATCTGTGGGACCCTACTAGGTTGGAAGGAACAGTGC
 CCCCAGATGAGCGTTTCTGCGGCATCACCGAGGAGGTGGGCTATGCGATCTTCTTCCGTATGCTCCTT
 CTACCTCCCCATGGCAGTGTATGCTGTCATGACTGCCGCGTGTATGTGGTCCGCGCAGCACCACGCGC
 AGCCTCGAGGCGGGCATCAAGAGGGAGCCGGGCAAGGCCCTGAGGTGGTTCTGAGGATCCACTGTCCGC
 GCGCAGCCACTAGCGCCAAAGGAAATCCAGGGACACAGAGTAGCAAGGGGACACCTTGGCAGCTCGCT
 CTCCGTAAGGCTGCTCAAGTTTTCCCGCGAGAAAAGGCTGCCAAGACCCTAGCCATCGTCGTGGGTGTC
 TTCGCTGTGCTGGTCCCTTTTTCTTCGCTCCTGCCTCTGGTCTCTGTTCCCTCAGCTGAAACCAT
 CAGAGGGCGTCTCAAGGTCACTTCTGGCTGGGCTACTTCAATAGCTGTGTGAACCCGCTCATCTACCC
 CTGCTCCAGTCGCGAGTTCAAGCGCGCTTCTCCGCTCCTGCGCTGCCAGTGTGCGCCGCGCCGCGC
 CGCTCTGGCGAGTCTACGGCCACCCTGGCGAGCCTCGACCGCGACCCGCGCTCCGACTGTGCCCCCA
 GCCCGCATCGCACCCCGGGGCTCCCTAGCCCTCACTGCACACCCAGGCCCGGGCTCCGTAGACAC
 GCCGGAGGCGCAGGCTTCGGTCTCCGGCGTCGAAAGCCAGCCTCCGCCCTCCGGGAGTGGAGGCTGCTT
 GGGCCGCTACAGAGACCCACGACCCAGCTGCGTGCAGAGGTGCCAGCCTGTCCCATAAAGTCCGCTCTG
 GGGCGCGCGGCGCGGAGACTGCGTGTGCCCTGCGCTCGGAGGTAGAAGCAGTGTCCATAAATGTTCC
 CCAAGACGGGCGAGGCTGTCATCTGCCAGGCTTATGAGCCGGGCGACCTCAGCAACCTCCGGGAGACT
 GACATT

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR222643 representing NM_013460
 Red=Cloning site Green=Tags(s)

MTFRDILSVTFEGPRASSSTGGSGAGGAGTVGPEGPAVGGVPGATGGSVAVGTGSGEDNQSSAEAGAA
 ASGEVNGSAAVGLVVSQVGVGVFLAAFILTAAGNLLVILSVACNRHLQTVTNYFIVNLAVADLLLS
 AAVLPFSATMEVLGFWAFGRFTCDVWAAVDVLCCTASILSLCTISVDRYGVVRHSLKYPAIMTERKAAAI
 LALLWAVALVVSVPGLLWKEPVPDERFCGITEEVGYAIFSSVCSFYLPMAVIVVMYCRVYVVARSTTR
 SLEAGIKREPGKASEVVLRIHCRGAATSAGNPGTQSSKGHTLRSSLVRLKFSREKKAAKTLAIVVGV
 FVLCWFPPFFVLPGLSLFPQLKPSGKVFVIFWLGYNFCVNPFIYPCSSREFKRAFLRLRCQCRRRRR
 RLWRVYGHWRASSTGDRSDCAPSPRIAPPGLALTAHPGPGSVDTPEAQASVSGRRKPASALREWRL
 GPLQRPTQLRAKVSSLSHKFRSGGARRAETACALRSEVEAVSLNVPQDGAEAVICQAYEPGDLNLR
 DI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1164_h11.zip

Restriction Sites:

Sgfl-MluI

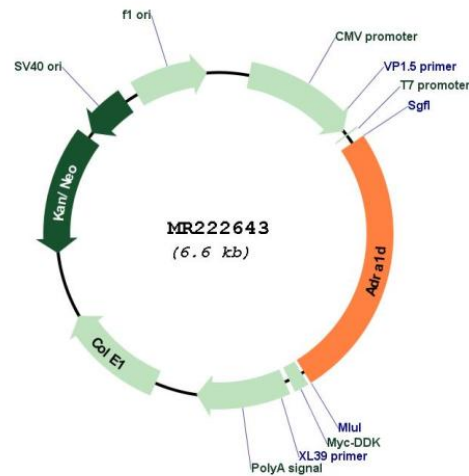
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_013460

ORF Size: 1686 bp

OTI Disclaimer:	<p>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.</p> <p>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</p>
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:	<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:	NM_013460.5
RefSeq Size:	2394 bp
RefSeq ORF:	1689 bp
Locus ID:	11550
Cytogenetics:	2 63.5 cM
MW:	60 kDa