

Product datasheet for MR229259

Adora1 (NM_001282945) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adora1 (NM_001282945) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adora1
Synonyms:	A1-AR; A1AR; A1R; AA1R; AI848715; BB176431; Ri
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR229259 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCGGTACATCTCGGCCTCCAGGCTGCCTACATTGGCATCGAGGTGCTCATTGCCTTGGTCTCTG
TGCCCGAAATGTACTGGTGATTGGGCTGTGAAGGTGAACCAGGCACTCGCGATGCTACCTTCTGCTT
CATCGTATCCCTGGCGGTAGCTGATGTGGCTGTTGGCGCCCTGGTCATCCCACTGGCCATCCTTATCAAC
ATTGGGCCACAGACCTACTTCCACACCTGCCTCATGGTGGCTGTCTGTCTCATCTCACCCAGAGCT
CCATCCTGGCTCTGCTTGTATTGCTGTGGATCGGTACCTCCGAGTCAAGATCCCTCTCCGGTACAAGAC
AGTGGTGACTCAGCGGCGGCAGCAGTGGCCATAGCCGGCTGCTGGATTCTCTCCCTTGGTAGGCCTG
ACACCCATGTTTGGCTGGAACAACCTGAGTGAGGTGGAACAAGCCTGGATAGCCAACGGCAGTGTGGGG
AGCCCGTGATCAAGTGTGAGTTCGAGAAGGTTATCAGCATGGAGTACATGGTCTACTTCAACTTCTTCGT
CTGGGTGCTGCCGCCATTGCTCCTCATGGTCTTATCTACCTGGAGGTCTTCTACCTGATCCGCAAGCAG
CTCAACAAAAAGGTGTCAGCCTCCTCTGGTGACCCCAAGAAGTACTACGGGAAGGAGCTCAAGATCGCCA
AGTCGCTGGCCCTCATCTCTTCTCTTGGCCCTCAGCTGGCTACCGCTACACATCTTGAAGTGCATCAC
CCTCTTCTGCCCCACCTGCCAGAAACCCAGCATCTCATCTACATTGCCATCTTCTCACACACGGCAAC
TCGGCCATGAACCCCATCGTCTATGCCTTCCGAATCCACAAGTCCGGGTACCTTTCTGAAGATTTGGA
ACGACCACTTCCGATGCCAGCCCAAGCCCCCATTGAGGAAGATATCCAGAGGAAAGCTGATGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229259 protein sequence
Red=Cloning site Green=Tags(s)

MPPYISAFQAAYIGIEVLIALVSVPGNVLVIWAVKVNQALRDATFCFIVSLAVADVAVGALVIPLAILIN
 IGPQTYFHTCLMVACPVLILTQSSILALLAIAVDRLRVKIPLRYKTVVTRRAAVAIAGCWILSLVVGL
 TPFMGWNNLSEVEQAWIANGSVGEPVIKCEFEKVISMEYMYVFNFFVWVLPPLLLMVLIIYLEV FYLIRKQ
 LNKKVSASSGDPQKYGKELKIAKSLALILFLFALSWLPLHILNCITLFCPTCQKPSILIIYIAIFLTHGN
 SAMNPIVYAFRIHKFRVTLKIIWNDHFRCPKPPIEEDIPEEKADD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001282945

ORF Size: 978 bp

OTI Disclaimer: 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_001282945.1](#), [NP_001269874.1](#)

RefSeq Size: 5056 bp

RefSeq ORF: 981 bp

Locus ID: 11539

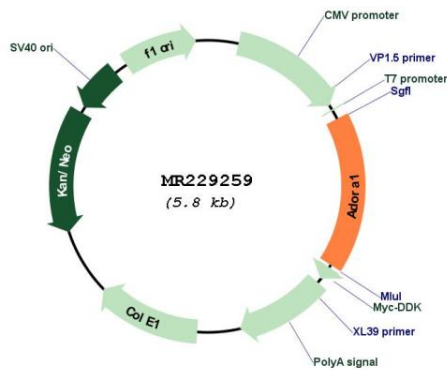
UniProt ID: [Q60612](#)

Cytogenetics: 1 E4

MW: 36.6 kDa

Gene Summary: Receptor for adenosine. The activity of this receptor is mediated by G proteins which inhibit adenylyl cyclase.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR229259