

Product datasheet for MR225370

Adora1 (NM_001008533) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Adora1 (NM_001008533) 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: >MR225370 representing NM_001008533
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCCGGTACATCTCGGCCTCCAGGCTGCCTACATTGGCATCGAGGTGCTCATTGCCTTGGTCTCTG
 TGCCCGAAATGTACTGGTGATTTGGGCTGTGAAGGTGAACCAGGCACTTCGCGATGCTACCTTCTGCTT
 CATCGTATCCCTGGCGGTAGCTGATGTGGCTGTTGGCGCCCTGGTCATCCCACTGGCCATCCTTATCAAC
 ATGGGCCACAGACCTACTTCCACACCTGCCTCATGGTGGCTGTCTGTCTCATCTCACCCAGAGCT
 CCATCCTGGCTCTGCTTGTATTGCTGTGGATCGGTACCTCCGAGTCAAGATCCCTCTCCGGTACAAGAC
 AGTGGTGACTCAGCGGCCGCGCAGCAGTGGCCATAGCCGGCTGCTGGATTCTCTCCCTTGGTAGGCCTG
 ACACCCATGTTTGGCTGGAACAACCTGAGTGAGGTGGAACAAGCCTGGATAGCCAACGGCAGTGTGGGG
 AGCCCGTGATCAAGTGTGAGTTCGAGAAGGTTATCAGCATGGAGTACATGGTCTACTTCAACTTCTCGT
 CTGGGTGCTGCCGCCATTGCTCCTCATGGTTCTTATCTACCTGGAGGTCTTCTACCTGATCCGCAAGCAG
 CTAACAAAAAGGTGTGAGCCTCCTCTGGTGACCCCAAGAAGTACTACGGGAAGGAGCTCAAGATCGCCA
 AGTCGCTGGCCCTCATCTTCTCTTGGCCCTCAGCTGGCTACCGCTACACATCTTGAAGTGCATCAC
 CCTTTCTGCCCCACCTGCCAGAAACCCAGCATCTCATCTACATTGCCATCTTCTCACACACGGCAAC
 TCGGCCATGAACCCCATCGTCTATGCCTTCCGAATCCACAAGTCCGGGTACCTTTCTGAAGATTTGGA
 ACGACCACTCCGATGCCAGCCCAAGCCCCCATTGAGGAAGATATCCAGAGGAAAGCTGATGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR225370 representing NM_001008533
 Red=Cloning site Green=Tags(s)

MPPYISAFQAAYIGIEVLIALVSVPGNVLVIWAVKVNQALRDATFCFIVSLAVADVAVGALVIPLAILIN
 IGPQTYFHTCLMVACPVLILTQSSILALLAIAVDRLRVKIPLRYKTVVTRRAAVAIAGCWILSLVVGL
 TPMFGWNNLSEVEQAWIANGSVGEPVIKCEFKEKVISMEYMYVFNFFVWVLPPLLLMLVIYLEVFLIRKQ
 LNKKVSASSGDPQKYYGKELKIAKSLALILFLFALSWLPLHILNCITLFCPTCQKPSILYIAIFLTHGN
 SAMNPIVYAFRIHKFRVTLKIWNDFRCQPKPPIEEDIPEEKADD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9030_f06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_001008533

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_001008533.3](#), [NP_001008533.1](#)

RefSeq Size: 5837 bp

RefSeq ORF: 981 bp

Locus ID: 11539

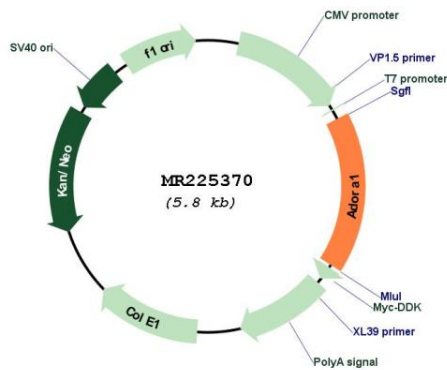
UniProt ID: [Q60612](#)

Cytogenetics: 1 E4

MW: 37.1 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 MR225370