

## Product datasheet for MC206679

### Adora1 (BC079624) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adora1 (BC079624) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adora1
Synonyms:	A1AR, A1R
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

#### Fully Sequenced ORF:

>BC079624  
 CTCTAAGGACAAGGGGAGGGGACAGAGGTTAAGCAGATAGTGAGCCTGAGTGTCTGGCCAGCTTGGGCAG  
 GCACTGCATCACTTTACTGGGGACATCTTCGCAGGGCTGCCTATGTCCCCTCCTTCCCAGGCTGGCAT  
 CCCACCCGAGGCTTCTGACCACAGGTGCTGGCCTCGCGCCCAAGGGCGCCTGTCTGTGATGTGCCCA  
 GCTCCTGCCACCATGCCGCCGTACATCTCGGCCCTCCAGGCTGCCTACATTGGCATCGAGGTGCTCATT  
 GCCTTGGTCTCTGTGCCGAAATGTAAGTGGTATTTGGGCTGTGAAGTGAACCAGGCACCTTCGCGATG  
 CTACCTTCTGCTTCACTATCCCTGGCGGTAGCTGATGTGGCTGTTGGCGCCCTGGTATCCCAGTGGC  
 CATCCTTATCAACATTGGGCCACAGACCTACTTCCACACCTGCCTCATGGTGGCCTGTCTGTCTCATC  
 CTCACCCAGAGCTCCATCCTGGTCTGCTTGTATTGCTGTGGATCGGTACCTCCGAGTCAAGATCCCTC  
 TCCGGTACAAGACAGTGGTGACTCAGCGCGGGCAGCAGTGGCCATAGCCGGCTGCTGGATTCTCTCCCT  
 TGTGGTAGGCCTGACACCCATGTTTGGCTGGAACAACCTGAGTGAGGTGGAACAAGCCTGGATAGCCAAC  
 GGCACTGTTGGGAGCCCGTATCAAGTGTGAGTTCGAGAAGGTTATCAGCATGGAGTACATGGTCTACT  
 TCAACTTCTTCTGCTGGGTGCTGCCGCCATTGCTCCTCATGGTCTTATCTACCTGGAGGCTTCTACCT  
 GATCCGCAAGCAGCTCAACAAAAGGTGTGAGCCTCCTCTGGTGACCCCAAGGTAAGTACTACGGGAAGGAG  
 CTCAAGATCGCCAAGTCGCTGGCCCTCATCCTCTTCTCTTTGCCCTCAGCTGGCTACCGCTACACATCT  
 TGAAGTGCATCACCTCTTCTGCCCCACCTGCCAGAAACCCAGCATCCTCATCTACATTGCCATCTTCT  
 CACACACGGCAACTCGGCCATGAACCCATCGTCTATGCCTTCCGAATCCACAAGTTCGGGTACCTTT  
 CTGAAGATTTGGAACGACCCTCCGATGCCAGCCCAAGCCCCCATTGAGGAAGATATCCAGAGGAGA  
 AAGCTGATGACTAGGCTCTGCCCTGCTCCATCTAGCCACACCCAGTGGCTCTCTGTTCAACCCCATGT  
 CCTCCCTGTTCCCCCTGTCCCCTGTTCTCCTCAGCCTTCCCAGCTGGGCTGTGGGCTGTGGACACCA  
 GGGAGGCTCTGAAGAGATGCCATGGAACAGGGCCCTTCTGTAAGGAGCTGGCTGCCCTGTACCTTGGGG  
 ACCTGGAGGAGGTTTGGAGTTGGGGCAGGCCATAGCAGGGAATTGGGTGCCCTCAGGTGAGAGGAGAGTC  
 TTGTGTGCATCATTCTGGCTGTTCTCTGAGCAGTTTCCAGAGAGCTGGGGTTAGAATATTCTGGCTCCTTC  
 AGTCAGACAGGGGAGCCTACTATTAGGTGTTGGTGGCCCAAGGGACCAACTTCAAAGTGAGGAAGACAGT  
 CCCTTAGAGGTGGATGAATAGAGAGAAATGGATATGCCCGCCTTCGCTGTCTCTCTGTTCTCTAGGAG  
 AAGATAGTAAAACACAGGGAAGGAGACCTCGGCCCTCCTCCAAGGATTGTGTTCTTGGCCACGCGGGTG  
 CTCTCCTGACCCCGAGAAGCCAGGGTTATACTTGGGAGACACAGAAAGAATGGGTCCAGGGATTGTCTC



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TCACATTTGCTCTATTCACAGCCTGGGACTCCCAGTGGGCCATAAAGTCCTTGGGAATAAAAAATAGTGCA  
 GAAGGTGCTGGCCTCACATAGCCAGCAGGGAGCAGCACTGAGCCCTTCTTGCCTGAACTTCCTGGGAGT  
 CTCCAATGCAATTTTCTGTCTGGGCCACCAAGCTTCACCAACTCTCAGAGCAGGCCTGGACTCTCCTGAG  
 GGACACCATCTCTGCTTCCAAGCCCAGGAGAAGAGCTTCCCCAGGAAGTACAACCCCTGGGTGTGAATA  
 TTGACTCCAAGTCTTGATTCCAGGCTCTCCTTCAGTTGGAGGTAAGGTGTCCCTGGCTCCCAAGGAGGA  
 CCCTATGTCTAATAAAAAGATTGTGAAGCCCTGTGGGAGTGGGGTGTGCACCCAGCACTGCCAGAGG  
 GCAACCAACCACTCAGCGGAGAAGATGTAATGGTGGGGTGGAGGGGAAGCTGGGAGAGGGCTGTGGA  
 GGCAGATGGAAAGTCCCAGAGATGGTGTGTCTGTTGCTATAGTTACACATTTAGGGTAGCACATTGTGAA  
 TCAGAAAGCAAGATCCAGAACACTCACATGTCTAAAAAGAAAGAAAGAAAAAAGAAAAAATGC  
 CCCGTGTCATGTGAGACCCTTCTGCTGGCACTTTTCTAATCTTGATAGTGTCTCCCTTCATAGTAACA  
 TAGTATTGTTCCATCCGTCATGACACTATTGCCACAGAAACCCCATGCTATAACACCACACACCTTTAT  
 TTGAATACTTCTCATACAGTGTACAACCTGAAGAGGGTGCCAGTCTCTGCCCTTCTGGGCCCTTTGA  
 ACCCAGAAAGGTATGGCCTGGGCCTGCCAGGCCTGATCCTGGGTCTGGACCCAGCGTCTGATGGAGGGG  
 CCTGCAGTACTAGAGACCCCGCCCATTCGCTGTTCTATGGTCTTGGGATTCTGGGTCTGATCC  
 TCAGGTCTGCAGGACTTGGTGGATAGTGTCTTCTGCGTCTGGTATGTGACCAAGCTGCTAGAAGAGAT  
 AGTGGGGAGTCCGGTAGAGAACCACCTCCACCCTTCTCAGTCTTCTCAGGCTCAATTTCCAAAGCTGG  
 GCTCTGCCAGTGCAGCTCTGGAGACTTGATAGTTCACCCAGAGCCTCAGAACCCAAACGAGGAGGG  
 AGAGCAAGGACTGGGTCCCTACTTTCTAATGAGGGAAAAGAAATGCTGTTTACAGTCACTCAGAGCCAAG  
 CCCAGATGCTGACCTGTGACCACCACCCAGAGTACCCATCCCTTCTGGACCTCCCAGCATGACCCAGTG  
 CTACACTGTCTTACCAAATAAACATGCATGCTCTGTCTTTTGTACAAAAATGGTACCCAGATCTG  
 CCTACTGCTTCTGCCCCTCCCTCCCTGTCTCCAGTACATTTTATGCCTGGGAGGTGGATTCTTCTCT  
 CGCAATCTTCTTTGACACCACACTCTCAGTAGAGGTAAGTGAAGGAGTAGGTCAGCCACTCACCTGT  
 CTCCTTGTCCCAGTCTCTGCCTCTGTTGCTCTTTAGTGTGTGGCAGAAGCTGTAAGAGATACTACAGTT  
 AGAGCTTTGGGGGAAGACAGGAGGGAACGAGAGGTTTGGAGTCAAGAATTTCCAGCACCCAGTCCCCA  
 AATAGAAAGAATCTTCCCACTTAGAAAAGTACACAAAACAGTTCTTGACCCCTCCCTACCTTTTCTG  
 CTCCAGTTTCACTCTGAACTACATCTAGTCCAGCTCCCAAGAGGGACTCAGTCTGTCCACTACAGCAGGG  
 TGCTGAGGGCACCTTCCGACTCCACCTTAACTCCAGCCGACAATCCACAGAGGCCTCCCTAGCAC  
 GTTGATGGCCTTGAAGTGTAGACCCAGAATCAAAGGGGCTGGGCTCCGGATCTCCAGGGTGCAGACC  
 CCTTGCTCGGAGACGGCACGGTACTTGGGGTACCCTGGATGTCCATCTGTTTTTATCCAGATGATCT  
 TGGGCTGGAAGCAAAGTCAAGGAGGGTAATGAAGTTAGAACAGCTCTCAAGAGAACTTTCATTCTCT  
 GTCCACCACTCCACCAGCCAGGGCCCTGACCTTAGGTGATGCTCGGACGCTGCAGAAAAGCTGCGTG  
 CTATAGCCAGGAGTGGAGGTATGGTCAAGCAGGGGCTGGGTGAACGAGGGCGCTTCTGAGAAGTCTCGT  
 CAATAAATCTCTAGGTTTGGCAGTAATATCTAGGTTCAAGGGGAGAAATTTAGGTTATAGGGATGCAGGA  
 GGCTTCGGAAGACTGGCCTCAACCCAAAATTTGAGACATTCAACCTGGTCAACACATGAAGACATCAGA  
 GAAAAGCTCGCTGAGCAGGGCTGAGGCTGATCAGGAGGTGAACAGAGAGGAGTGGGCAGGAAAACCTGA  
 GCCACGGAGGATTGCGGCAAGAGGCGGACATCACATTCATTTCTGTCTGCCTCTGAGACCTGAGTGGCT  
 TTCCTTTTTAAACACAAAATGCTCACGGCTGTGACACTCTGGCTGATGTTAAAGAGTATGGCTTCTAGGG  
 TGAGTGAAGTGGCTCAGCGGTGAGGGTGTGTCACCAAGCTTACCACCTGAGTTCAGTCCCTGGGAC  
 CCACGGGTAGAAGGAGAGACCTGACATGTTGTCTTAGACTTACACATGCACGTGTCATGTGAACACA  
 CACTCACACCAATAAATGTAATTAATAAGTAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAA

**Restriction Sites:** EcoRI-NotI  
**ACCN:** BC079624  
**Insert Size:** 981 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](mailto: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](#)

**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:** [BC079624](#), [AAH79624](#)

**RefSeq Size:** 4607 bp

**RefSeq ORF:** 981 bp

**Locus ID:** 11539

**Cytogenetics:** 1 E4

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