

## Product datasheet for **MG204744**

### Adora1 (BC079624) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adora1 (BC079624) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Adora1
Synonyms:	A1AR, A1R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204744 representing BC079624 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCCGGTACATCTCGGCCTCCAGGCTGCCTACATTGGCATCGAGGTGCTCATTGCCTTGGTCTCTG  
TGCCCGAAATGACTGGTGATTTGGGCTGTGAAGGTGAACAGGCACTTCGCGATGCTACCTTCTGCTT  
CATCGTATCCCTGGCGGTAGCTGATGTGGCTGTTGGCGCCCTGGTCATCCCACTGGCCATCCTTATCAAC  
ATTGGGCCACAGACCTACTTCCACACCTGCCTCATGGTGGCTGTCTCCTCATCTCACCCAGAGCT  
CCATCCTGGTTCTGCTTGTATTGCTGTGGATCGGTACCTCCGAGTCAAGATCCCTCTCCGGTACAAGAC  
AGTGGTGAAGTCAAGTGTGAGTTCGAGAAGGTTATCAGCATGGAGTACATGGTCTACTTCAACTTCTTCGT  
ACACCCATGTTTGGCTGGAACAACCTGAGTGAGGTGGAACAAGCCTGGATAGCCAACGGCAGTGTGGGG  
AGCCCGTATCAAGTGTGAGTTCGAGAAGGTTATCAGCATGGAGTACATGGTCTACTTCAACTTCTTCGT  
CTGGGTGCTGCCGCAATTGCTCCTCATGGTTCTTATCTACCTGGAGGTCTTCTACCTGATCCGCAAGCAG  
CTCAACAAAAAGGTGTCAGCCTCCTCTGGTGACCCCAAGAAGTACTACGGGAAGGAGCTCAAGATCGCCA  
AGTCGCTGGCCCTCATCTTCTCTTTGCCCTCAGCTGGTACCGCTACACATCTTGAAGTGCATCAC  
CCTCTTCTGCCCCACCTGCCAGAAACCCAGCATCTCATCTACATTGCCATCTTCTCACACACGGCAAC  
TCGGCCATGAACCCCATCGTCTATGCCTTCCGAATCCACAAGTTCGGGTACCTTTCTGAAGATTTGGA  
ACGACCACTTCCGATGCCAGCCCAAGCCCCCATTGAGGAAGATATCCAGAGGAGAAAGCTGATGAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG204744 representing BC079624  
 Red=Cloning site Green=Tags(s)

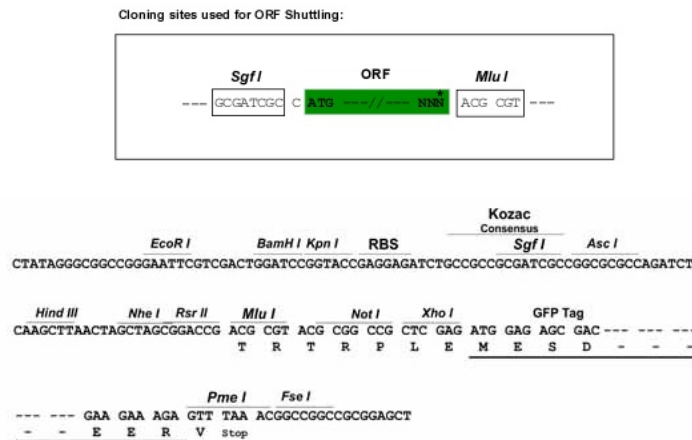
MPPYISAFQAAYIGIEVLIALVSVPGNVLVIWAVKVNQALRDATFCFIVSLAVADVAVGALVIPLAILIN  
 IGPQTYFHTCLMVACPVLILTQSSILVLLAIAVDRLRVKIPLRYKTVVTRRAAVAIAGCWILSLVVGL  
 TPMFGWNNLSEVEQAWIANGSVGEPVIKCEFEKVISMEYMYVFNFFVWVLPPLLLMVLIIYLEVFYLIRKQ  
 LNKKVSASSGDPQKYYGKELKIAKSLALILFLFALSWLPLHILNCITLFCPTCQKPSILIIYIAIFLTHGN  
 SAMNPIVYAFRIHKFRVTLFKIWNDFRCQPKPIEEDIPEEKADD

TRTRPLE - GFP Tag - V

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1893\\_a06.zip](https://cdn.origene.com/chromatograms/ja1893_a06.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** BC079624

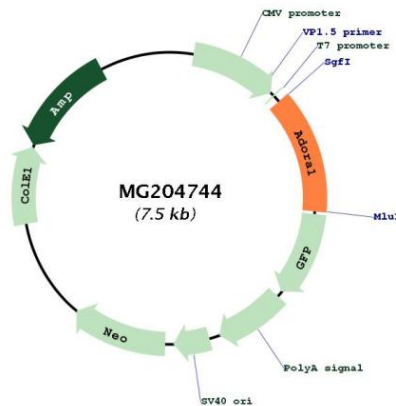
**ORF Size:** 978 bp

**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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">BC079624</a></u> , <u><a href="#">AAH79624</a></u>
<b>RefSeq Size:</b>	4607 bp
<b>RefSeq ORF:</b>	980 bp
<b>Locus ID:</b>	11539
<b>Cytogenetics:</b>	1 E4
<b>Gene Summary:</b>	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 MG204744