

## Product datasheet for RN201724

### Adora1 (NM\_017155) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adora1 (NM_017155) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Adora1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN201724 representing NM_017155 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCGCCCTACATCTCGGCCTCCAGGCTGCCTACATTGGCATCGAGGTGCTCATTGCCTTGGTCTCTG  
TGCCCGGAAATGTACTGGTGATTTGGGCTGTGAAGGTGAACCAGGCATTCGCGATGCCACCTTCTGCTT  
CATCGTGTCACTGGCGGTAGCTGATGTGGCCGTTGGCGCCCTGGTCATCCCACTGGCCATCCTTATCAAC  
ATTGGCCACAGACCTACTTCCACACCTGCCTCATGGTGGCCTGCCCTGTCTCATCCTCACCCAGAGCT  
CCATTCTGGCTGTCTCGCCATTGCTGTGGATCGATACCTCCGAGTCAAGATCCCTCCGGTACAAGAC  
AGTGGTGACCCAGCGGCCGGCAGTGGCCATAGCTGGCTGCTGGATTCTCTCCCTTGTGGTAGGCCTG  
ACACCCATGTTTGGCTGGAACAACCTGAGTGTGGTAGAGCAAGACTGGAGAGCCAACGGCAGTGTGGGG  
AGCCCGTGATCAAGTGTGAGTTTGAAGAAGTTATCAGCATGGAGTACATGGTCTACTTCAACTTCTTCGT  
CTGGGTGCTGCCGCCACTGCTCCTCATGGTCTCATCTACCTGGAGGTCTTCTACCTGATCCGTAAGCAG  
CTCAACAAAAAGGTGTCAGCCTCCTCCGGTGACCCCAAGTACTACGGGAAGGAGCTGAAGATCGCCA  
AGTCGTGGCCCTCATCCTTCTCTTTGCCCTCAGTGGCTGCCGCTGCATATCTTGAAGTGTATCAC  
CCTCTTCTGCCCCACCTGCCAGAAACCCAGCATTCTGATCTACATCGCCATCTTCTCACACACGGCAAC  
TCCGCCATGAACCCATCGTCTATGCCTTCCGGATCCACAAGTCCGGGTACCTTTCTGAAGATTTGGA  
ATGACCACTTCGATGCCAGCCTAAGCCTCCCATCGATGAAGACCTCCAGAGGAGAAAGCTGAGGACTA  
G

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: [https://cdn.origene.com/chromatograms/ja1242\\_h08.zip](https://cdn.origene.com/chromatograms/ja1242_h08.zip)

Restriction Sites: SgfI-MluI



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<b>ACCN:</b>	NM_017155
<b>Insert Size:</b>	981 bp
<b>OTI Disclaimer:</b>	<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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).</p>
<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="#">NM_017155.2</a></u> , <u><a href="#">NP_058851.2</a></u>
<b>RefSeq Size:</b>	1079 bp
<b>RefSeq ORF:</b>	981 bp
<b>Locus ID:</b>	29290
<b>UniProt ID:</b>	<u><a href="#">P25099</a></u>
<b>Cytogenetics:</b>	13q13
<b>Gene Summary:</b>	inhibits adenylyl cyclase activity; plays a role in regulation of arterial pressure, heart rate, and sodium excretion [RGD, Feb 2006]