

## Product datasheet for MC208108

### Adora2a (NM\_009630) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adora2a (NM_009630) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adora2a
Synonyms:	A2AAR; A2aR; AA2AR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208108 representing NM_009630 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCTCCTCGGTGTACATCATGGTGGAGCTGGCCATTGCTGTGCTGGCCATCCTGGGTAACGTGCTTG  
TGTGCTGGGCCGTGTGGATCAACAGCAACCTGCAGAACGTCAACCACTTCTTCGTGGTATCTCTGGCGGC  
GGCTGACATCGCGGTGGCGTGTGCGCCATCCCATTCGCCATCACCATCAGCACTGGCTTCTGCGCTGCC  
TGCCATGGCTGCCTCTTCTCGCCTGCTTTGTCCTGGTCTCACGCAGAGTTCATCTTCAGCCTCTTGG  
CTATTGCCATCGACAGATACATCGCCATCCGAATTCCTCCGTTACAATGGCTTGGTGACGGGTATGAG  
GGCGAAGGGCATATTGGGATTTGCTGGGTGCTGTCAATTCGCCATCGGCCGACCCCATGCTGGGCTGG  
AACAACTGCAGTCAGAAAGATGAGAACTCCACAAAGACCTGCGGCGAGGGCCGGGTGACCTGTCTTTTTG  
AGGACGTGGTACCCATGAATTACATGGTTTACTACAACCTCTTCGCTTTTGTGTTGCTCCCCCTCCTGCT  
CATGCTGGCCATCTACCTAAGGATTTTTTGGCAGCCCGGAGACAGCTGAAGCAGATGGAGAGCCAAACCC  
CTACCAGGGGAGCGGACTCGTCCACACTGCAGAAGGAAGTCCACGCCGCAAGTCCCTGGCCATCATCG  
TGGGGCTCTTTGCCCTGCTGGTTGCCCTGCACATCATCAACTGCTTACCTTCTTCTGCTCCACGTG  
CCAGCACGCCCTCCTTGGCTCATGTACCTGGCCATCATCCTCTCCACAGCAATCCGTTGTCAACCCC  
TTCATCTACGCCCTACAGGATCCGGGAGTTCGCCAGACCTCCGGAAGATCATCCGAACCCACGTCCTGA  
GGCGGCAGGAACCTTACAGGGCAGGGGTTCCAGTGCCTGGGCCTTGGCGGCTCACAGCACTGAGGGCGA  
GCAGGTACGCCTCCGCTCAATGGCCACCCCTGGGAGTATGGGCAATGGGAGTCTCCCACTCTGGA  
CGGCGGCCAATGGCTACACCCTGGGGCCGGGAGTGGAGGGAGCACCAAGGGTCTCCTGGGGATGTAG  
AGCTTCTTACCCAGGAGCACCAGGAAGGGCAAGAGCACCTGGCCTAGGGGATCATCTGGCCAGGGTAG  
GGTAGGAACAGCCTCATGGTCTTACAGATTTGCCCTTCTGA

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_009630
<b>Insert Size:</b>	1233 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>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. <a href="#">More info</a></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>	<a href="#">BC110692</a> , <a href="#">AAI10693</a>
<b>RefSeq Size:</b>	2153 bp
<b>RefSeq ORF:</b>	1233 bp
<b>Locus ID:</b>	11540
<b>UniProt ID:</b>	<a href="#">Q60613</a>
<b>Cytogenetics:</b>	10 C1
<b>Gene Summary:</b>	<p>Receptor for adenosine. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript. Variants 1-3 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>