

Product datasheet for RN204219

Adora2a (NM_053294) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adora2a (NM_053294) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Adora2a
Synonyms:	A2ar; ADENO; Adora2I1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN204219 representing NM_053294 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCTCCTCGGTGTACATCACGGTGGAGCTGGCCATCGCTGTGCTGGCCATCCTGGGCAACGTGCTCG
TGTGCTGGGCCGTGTGGATCAACAGTAACCTGCAGAACGTCAACCAACTCTTTGTGGTATCGCTGGCCGC
GGCTGACATTGCAGTGGGTGTGCTCGCCATCCCCTTCGCTATCACCATCAGCACCGGCTTCTGCGCCGC
TGCCACGGCTGCCTCTTCTCGCCTGTTTTGCCTGGTCTCACGCAGAGTTCATCTTTAGCCTCTTGG
CTATCGCCATCGACCGCTACATCGCCATCCGAATTCACCTCCGGTACAATGGCTTGGTGACAGGTGTGAG
GGCGAAGGGCATATTGCAATTTGCTGGGTGCTGTCGTTTGCCATTGGCCTGACCCCATGCTGGGCTGG
AACAACTGCAGTCAGAAAGACGGAACTCCACGAAGACCTGCGGCGAGGGCCGGGTGACCTGTCTGTTTCG
AGGACGTGGTGCCCATGAATTACATGGTTTACTACAACCTCTTTGCGTTCGTGTTACTGCCCTTCTGCT
CATGCTGGCCATCTACCTACGGATTTTTCTGGCGGCCGAGACAGCTGAAGCAGATGGAGAGCCAGCCC
CTGCCAGGGGAGCGGACTCGGTCCACGCTGCAGAAGGAGGTCCACGCTGCCAAGTCCCTGGCCATCATCG
TCGGGCTCTTTGCTCTGTGCTGGTTGCCGCTGCACATCATCAACTGTTTACCTTCTTCTGCTCCACGTG
CCGGCACGCCCCCTCCGTGGCTCATGTACCTGGCCATCATCCTCTCCACAGCAACTCCGTCGTCAACCCC
TTCATCTACGCCCTACAGGATCCGGGAGTTCGCCAGACCTTCGGGAAGATCATCCGAACCCACGTCCTGA
GGCGGCAGGAACCTTCCAGGCAGGGGGTTCCAGTGCCTGGGCCCTGGCAGCTCACAGCACTGAGGGAGA
GCAGGTTAGCCTCCGCTTAATGGCCACCCCTGGGGGTATGGGCAACGGCAGTGCCACCCATTCCGGA
CGGCGGCCAATGGCTACTCTGGGGTGGGGGTGGAGGGAGTGCCAAGGCTCTCCTCGGGATGTGG
AGCTTCTACCCAGGAGCGCCAGGAAGGCCAAGAGCACCTGGCCTAAGGGGTCTCTGTTCCAGGCTAG
AGTAGGAGCTTCTCATGGTCTTCAGAGTTTGCCCTTCTGA

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Chromatograms:	https://cdn.origene.com/chromatograms/ja1253_h11.zip
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_053294
Insert Size:	1233 bp
OTI Disclaimer:	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).
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:	<ol style="list-style-type: none">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_053294.3 , NP_445746.3
RefSeq Size:	2491 bp
RefSeq ORF:	1233 bp
Locus ID:	25369
UniProt ID:	P30543
Cytogenetics:	20p12
Gene Summary:	<p>plays a role in regulation of blood vessel dilation in the adrenal medulla; regulates sodium excretion [RGD, Feb 2006]</p> <p>Transcript Variant: This transcript includes two overlapping open reading frames encoding different proteins, with distinct amino acid compositions (A2AR and uORF5, PMID:24293369). Both proteins are upregulated under hypoxic conditions. This RefSeq represents the longer protein, A2AR, which is conserved across species.</p>