

Product datasheet for RN215019

Adora3 (NM_012896) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adora3 (NM_012896) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Adora3
Synonyms:	Tgpcr1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN215019 representing NM_012896 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAAGCCAACAATACCACGACGAGTGCCTTGTGGTTGCAAATCACCTACATCACCATGGAGGCTGCCA
TTGGTCTCTGTGCTGTAGTGGGCAACATGCTGGTCATCTGGTGGTCAAGCTGAACCGCACTCTGAGGAC
CACCACCTTCTATTTTCATCGTCTCCCTAGCACTGGCTGACATTGCTGTTGGGGTCTGGTCATACCCCTTG
GCCATTGCCGTACGCTGGAGGTCCAGATGCACCTTCTATGCCTGCCTTTTCATGTCTGTGTGCTTCTGG
TCTTACCCACGCTTCCATCATGTCCTTGTGGCCATTGCTGTAGACCGATACCTGCGAGTCAAGCTGAC
AGTCAGATATAGAACGGTTACCACTCAAAGAAGAATATGGCTATTCTGGGCCTCTGCTGGCTAGTGTC
TTTCTGGTGGGACTGACCCCATGTTTGGCTGGAATAGAAAAGTGACCTTAGAGCTCTCTCAAAACAGCT
CCACCCCTCATGCCACTTCCGTTCCGTGGTCCGCTGGATTACATGGTCTTCTCAGCTTCATCACCTG
GATCCTCATCCCCCTGGTTGTCATGTGCATCATCTATCTGGACATCTTACATCATCCGAAACAACTC
AGTCAAAATCTGACTGGCTTCCAGAGAGACGCGTCATTTACGGTCCGGAGTTCAAGACCGCTAAGTCCC
TGTTTCTGGTTCTTTCTGTTTGCCTTGTGCTGGCTGCCTTTGTCCATCATCAATTTTCTACTT
TAATGTGAAGATACCAGAGATTGCAATGTGCCTGGGCATCCTGTTGTCCATGCGAACTCCATGATGAAC
CCTATTGTCTACGCCTGCAAAATAAAAAAGTTCAAAGAACTACTTTGTGATCCTCAGAGCTTGCAGGC
TCTGTACAGACCTCGGATTCTTTGGACTCAAACCTGAACAGACTACTGAGTAG

AG**GCGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-RsrII
ACCN:	NM_012896
Insert Size:	963 bp



[View online »](#)

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 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: [NM_012896.3](#), [NP_037028.2](#)

RefSeq Size: 1764 bp

RefSeq ORF: 963 bp

Locus ID: 25370

UniProt ID: [P28647](#)

Cytogenetics: 2q34

Gene Summary: may play a role in remodelling after myocardial cell injury; may be involved in male reproduction [RGD, Feb 2006]

Transcript Variant: This variant (A3) uses an alternate in-frame splice site in the 3' terminal exon, compared to variant A3i, resulting in an isoform (b) that is shorter than isoform a.

Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.