

Product datasheet for **RR215019**

Adora3 (NM_012896) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adora3 (NM_012896) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adora3
Synonyms:	Tgpcr1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR215019 representing NM_012896 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAAGCCAACAATACCACGACGAGTGCCTTGTGGTTGCAAATCACCTACATCACCATGGAGGCTGCCA
TTGGTCTCTGTGCTGTAGTGGGCAACATGCTGGTCATCTGGTGGTCAAGCTGAACCGCACTCTGAGGAC
CACCACCTTCTATTTTCATCGTCTCCCTAGCACTGGCTGACATTGCTGTTGGGGTCTGGTCATACCCCTG
GCCATTGCCGTCAGCCTGGAGGTCAGATGCATTCTATGCCTGCCTTTTCATGCCTGTGTGCTTCTGG
TCTTCACCCACGCTTCCATCATGTCCTTGTGGCCATTGCTGTAGACCGATACCTGCGAGTCAAGCTGAC
AGTCAGATATAGAACGGTTACCACTCAAAGAAGAATATGGCTATTCTGGGCCTCTGCTGGCTAGTGCC
TTTCTGGTGGGACTGACCCCATGTTTGGCTGGAATAGAAAAGTGACCTTAGAGCTCTCTAAAAACAGT
CCACCCTCTATGCCACTTCCGTTCCGTTGGCTCGGCTTGGATTACATGGTCTTCTCAGCTTCATCACCTG
GATCCTCATCCCCCTGGTTGTCATGTGCATCATCTATCTGGACATCTTCTACATCATCCGAAACAACTC
AGTCAAAATCTGACTGGCTTCAGAGAGACGCGTGCAATTTACGGTCGGGAGTTCAAGACCCTAAGTCCC
TGTTTCTGGTTCTTCTTGTGCTTGGCTGCCTTTGTCCATCATCAATTTGTTTCTACTT
TAATGTGAAGATACCAGAGATTGCAATGTGCCTGGCATCCTGTGTCCCATGCCAACTCCATGATGAAC
CCTATTGTCTACGCCTGCAAAATAAAAAAGTTCAAAGAAACCTACTTTGTGATCCTCAGAGCTTGCAGGC
TCTGTGACACCTCGGATTCTTTGGACTCAAACCTTGAACAGACTACTGAG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR215019 representing NM_012896
 Red=Cloning site Green=Tags(s)

MKANNTTTSALWLQITYITMEAAIGLCAVVGNNMLVIWVVKLNRTLRTTTFYFIVSLALADIAGVGLVIPL
 AIAVSLEVMHFYACLFMSCVLLVFTHASIMSLLAIAVDYLRVKLTVRYRTVTTQRIWFLGLCWLVS
 FLVGLTPMFGWNRKVTLELSQNSSTLSCHFRSVGLDYMVFFSFITWIL IPLVVMCIIYLDIFYIIRNKL
 SQNLTGFRERAFYGREFKTAKSLFLVFLFALCWLPLSIINFVSYFNVKIPEIAMCLGILLSHANSMMN
 PIYVYACKIKKFETYFVILRACRLCQTSDSLSDSNLEQTTE

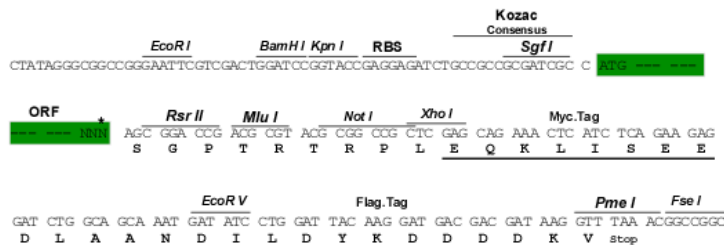
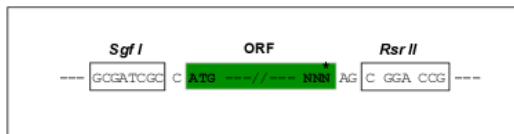
SGP TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2079_c08.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

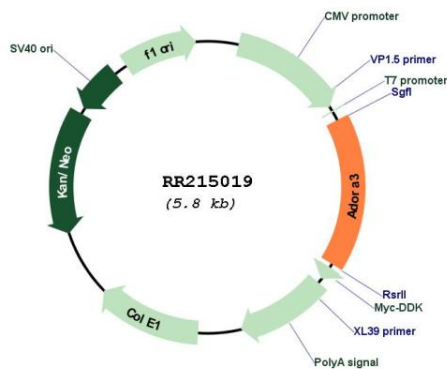
ACCN: NM_012896

ORF Size: 960 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 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](#)

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_012896.3 , NP_037028.2
RefSeq Size:	1763 bp
RefSeq ORF:	963 bp
Locus ID:	25370
UniProt ID:	P28647
Cytogenetics:	2q34
MW:	37.1 kDa
Gene Summary:	may play a role in remodelling after myocardial cell injury; may be involved in male reproduction [RGD, Feb 2006]

Product images:


Circular map for RR215019