

Product datasheet for **RC214903**

Adenosine A3 Receptor (ADORA3) (NM_001081976) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adenosine A3 Receptor (ADORA3) (NM_001081976) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adenosine A3 Receptor
Synonyms:	AD026
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC214903 representing NM_001081976 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGGGTCTCCAGCAGGACCCATTGAGCAGAAGGAGGCCAGGTGGGAAAGCTCCTGGGAAGAGCAGC
CAGACTGGACACTGGGCTGCTTGAGTCTGAGTCACAATTCAGAATTCCTGGGCTCCCTGGGTGCATTCT
ATCATTCCAGTTGAAAGTTTGCTTCCTCCAGTCATGTGGCTCTTCATTCTACTCTCCTTGGCTCTCATT
TCAGATGCCATGGTCATGGATGAAAAGGTCAAGAGAAGCTTTGTGCTGGACACGGCTTCTGCCATCTGCA
ACTACAATGCCCACTACAAGAATCACCCAAACTGGTGCCGAGGCTATTTCCGTGACTACTGCAACAT
CATCGCCTTCTCCCTAACAGCACCAATCATGTGGCCCTGAGGGACACAGGAACCAAGCTCATTGTCACT
ATGTCCTGCCTGACCAAAGAGGACACGGGCTGGTACTGGTGTGGCATCCAGCGGGACTTTGCCAGGGATG
ACATGGATTTTACAGAGCTGATTGTAAGTACGACAAAAGGAACCTGGCCAATGACTTTTGGTCTGGGAA
AGACCTATCAGGCAACAAAACCAGAAGCTGCAAGGCTCCCAAAGTTGTCCGCAAGGCTGACCGCTCCAGG
ACGTCCATTCTCATCTTTGCATACTGATCACGGGTTTGGGAATCATCTCTGTAATCAGTCATTTGACCA
AAAGGAGGAGAAGTCAAAGGAATAGAAGGTTAGGCAACACTTTGAAGCCCTTCTCGCGTGTCTGACTCC
AAAGGAAATGGCTCCTACTGAACAGATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC214903 representing NM_001081976
Red=Cloning site Green=Tags(s)

MEGSPAGPIEQKEARWESSWEEQPDWTLGCLSPESQFRIPGLPGCILSFQLKVCFLPVMWLFILLSLALI
SDAMVMDEKVKRSFVLDTASAICNNAHYKNHPKYWCRGYFRDYCNIIAFSPNSTNHVALRDTGNQLIVT
MSCLTKEDTGWYWCIGQRDFARDDMDFTLIVTDDKGTLANDFWSGKDLSGNKTRSCKAPKVVVRKADRSR
TSILIIICILITGLGIISVISHLTKRRRSQRNRRVGNLTKPF SRVLTPKEMAPTEQM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8048_a04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001081976

ORF Size: 798 bp

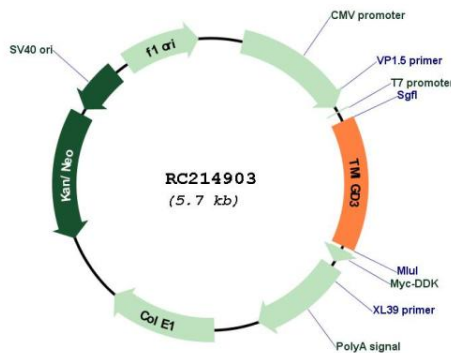
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA 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:**
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_001081976.2](#), [NP_001075445.1](#)
- RefSeq Size:** 1185 bp
- RefSeq ORF:** 801 bp
- Locus ID:** 57413
- UniProt ID:** [P33765](#)
- Cytogenetics:** 1p13.2
- MW:** 30.1 kDa
- Gene Summary:** This gene encodes a transmembrane and immunoglobulin domain-containing protein. Alternative splicing results in multiple transcript variants, one of which shares its 5' terminal exon with that of the overlapping adenosine A3 receptor gene (GenelD:140), thus resulting in a fusion product. [provided by RefSeq, Nov 2014]

Product images:



Circular map for RC214903