

## Product datasheet for RC214787

### Adenosine A3 Receptor (ADORA3) (NM\_020683) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adenosine A3 Receptor (ADORA3) (NM_020683) 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:	>RC214787 representing NM_020683 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGCCCAACAACAGCACTGCTCTGTCTATTGGCCAATGTTACCTACATCACCATGGAATTTTCATTGGAC  
TCTGCGCCATAGTGGCAACGTGCTGGTCATCTGCGTGGTCAAGCTGAACCCAGCCTGCAGACCACCAC  
CTTCTATTTTCATTGTCTCTAGCCCTGGCTGACATTGCTGTTGGGGTGTGGTCATGCCTTTGGCCATT  
GTTGTCAGCCTGGGCATACAATCCACTTCTACAGCTGCCTTTTATGACTTGCCTACTGCTTATCTTTA  
CCCAGCCTCCATCATGTCCTTGTGGCCATCGCTGTGGACCGATACTTGCGGTCAAGCTTACCGTCAG  
ATTCAGAATTCCTGGGCTCCCTGGGTGCACTTATCATTCCAGTTGAAAGTTTGCTTCTCCAGTCATG  
TGGCTCTTCACTTACTCTCCTTGGCTCTCATTTCAGATGCCATGGTCATGGATGAAAAGTCAAGAGAA  
GCTTTGTGCTGGACACGGCTTCTGCCATCTGCAACTACAATGCCACTACAAGAATCACCCAAACTG  
GTGCCGAGGCTATTTCCGTGACTACTGCAACATCATCGCCTTCTCCCCTAACAGCACCAATCATGTGGCC  
CTGAGGGACACAGGAACCAGCTCATTGCTACTATGCTTGCCTGACCAAGAGGACACGGGCTGGTACT  
GGTGTGGCATCCAGCGGGACTTTGCCAGGGATGACATGGATTTTACAGAGCTGATTGTAAGTACGACAAA  
AGGAACCTGGCCAATGACTTTTGGTCTGGGAAAGACCTATCAGGCAACAAAACCAAGCTGCAAGGCT  
CCCAAAGTTGTCGCAAGGCTGACCGCTCCAGGACGTCATTCTCATCTTTGCATACTGATCACGGGTT  
TGGGAATCATCTGTAAATCAGTCATTTGACCAAAAGGAGGAGAAGTCAAAGGAATAGAAGGATAGGCAA  
CACTTTGAAGCCCTTCTGCGTGTCTGACTCCAAGGAATGGCTCCTACTGAACAGATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC214787 representing NM\_020683  
Red=Cloning site Green=Tags(s)

MPNNSTALSLANVTYITMEIFIGLCAIVGNVLVICVVKLNPSLQTTTFYFIVSLALADIAGVGLVMPLAI  
 VVSLGITIHFYSLFMTCLLLIFTHASIMSLLAIAVDRLRVKLVFRFRIPGLPGCILSFQLKVCFLPVM  
 WLFILLSLALISDAMVMDEKVKRSFVLDTASAI CNYN AHYKNHPKYWCRGYFRDYCNIIAFSPNSTNHVA  
 LRDTGNQLIVTMSCLTKEDTGWYWCGIQRDFARDDMDFTLIVTDDKGTLANDFWSGKDLSGNKTRSCKA  
 PKVYRKADRSRTSILIIICILITLGLIISVISHLTKRRRSQRNRRVGNLTKPF SRVLT PKEMAPTEQM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8053\\_g05.zip](https://cdn.origene.com/chromatograms/mk8053_g05.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_020683

**ORF Size:** 1041 bp

**OTI Disclaimer:** 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\\_020683.7](#)

**RefSeq Size:** 1528 bp

**RefSeq ORF:** 1044 bp

**Locus ID:** 57413

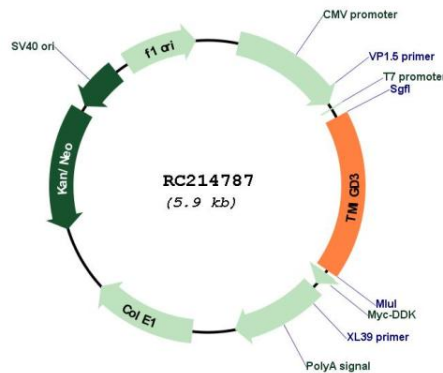
**UniProt ID:** [P33765](#)

**Cytogenetics:** 1p13.2

**MW:** 38.8 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 RC214787