

Product datasheet for **RG214787**

Adenosine A3 Receptor (ADORA3) (NM_020683) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Adenosine A3 Receptor
Synonyms:	AD026
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG214787 representing NM_020683
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCCAACAACAGCACTGCTCTGTCTATTGGCCAATGTTACCTACATCACCATGGAAATTTTCATTGGAC
TCTGCGCCATAGTGGGAACGTGCTGGTCATCTGCGTGGTCAAGCTGAACCCAGCCTGCAGACCACCAC
CTTCTATTTTCATTGTCTCTAGCCCTGGCTGACATTGCTGTTGGGGTCTGGTCATGCCTTTGGCCATT
GTTGTGAGCCTGGGCATCACAATCCACTTCTACAGCTGCCTTTTATGACTTGCCTACTGCTTATCTTTA
CCCACGCCTCCATCATGTCTTGGTGGCCATCGCTGTGGACCGATACTTGCGGGTCAAGCTTACCGTCAG
ATTCAGAAATCCTGGGCTCCCTGGGTGCATTCTATCATTCCAGTTGAAAGTTTGCTTCCTTCCAGTCATG
TGGCTCTTCATTCTACTCTCCTTGGCTCTCATTTCAGATGCCATGGTCATGGATGAAAAGGTCAAGAGAA
GCTTTGTGCTGGACACGGCTTCTGCCATCTGCAACTACAATGCCACTACAAGAATCACCCCAAATACTG
GTGCCGAGGCTATTTCCGTGACTACTGCAACATCATCGCCTTCTCCCTAACAGCACCAATCATGTGGCC
CTGAGGGACACAGGGAACAGCTCATTGTCACTATGTCCTGCCTGACCAAAGAGGACACGGGCTGGTACT
GGTGTGGCATCCAGCGGACTTTGCCAGGGATGACATGGATTTACAGAGCTGATTGTAAGTGACGACAA
AGGAACCTGGCCAATGACTTTTGGTCTGGGAAAGACCTATCAGGCAACAAAACAGAGCTGCAAGGCT
CCCAAAGTTGTCCGAAGGCTGACCGCTCCAGGACGTCCATTCTCATCTTTGCATACTGATCACGGGTT
TGGAATCATCTCTGTAATCAGTCATTGACCAAAAGGAGGAGAAGTCAAAGGAATAGAAGGGTAGGCAA
CACTTTGAAGCCCTTCTCGCGTGTCTGACTCCAAGGAAATGGCTCCTACTGAACAGATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG214787 representing NM_020683
Red=Cloning site Green=Tags(s)

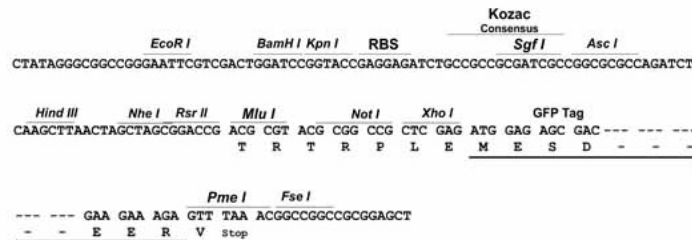
MPNNSTALSLANVTYITMEIFIGLCAIVGNVLVICVVKLNPSLQTTTFYFIVSLALADIAGVGLVMPLAI
VYSLGITIHFYSLCFMTCLLLIFTHASIMSLLAIAVDRLRVKLTVRFRIPGLPGCILSFQLKVCFLPVM
WLFILLSLALISDAMVMDEKVKRSFVLDTASAI CNYN AHYKNHPKYWCRGYFRDYCNIIAFSPNSTNHVA
LRDTGNQLIVTMSCLTKEDTGWYWCGIQRDFARDMDFT ELIVTDDKGT LANDFWSGKDL SGNKTRSCKA
PKVVRKADRSTSILIIICILITGLGIISVISHLTKRRRSQRNRRVGNTLKPFSRVLTPKEMAPTEQM

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_020683

ORF Size: 1041 bp

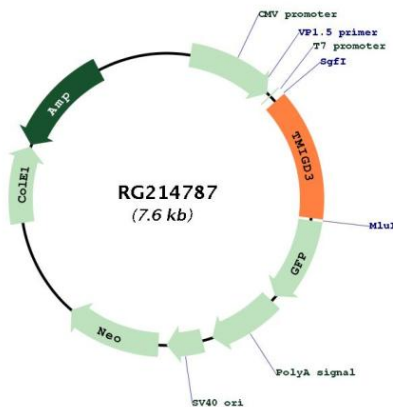
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_020683.7
RefSeq Size:	1528 bp
RefSeq ORF:	1044 bp
Locus ID:	57413
UniProt ID:	P33765
Cytogenetics:	1p13.2
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 (GeneID:140), thus resulting in a fusion product. [provided by RefSeq, Nov 2014]

Product images:



Circular map for RG214787