

## Product datasheet for **RG236268**

### Adenosine A3 Receptor (ADORA3) (NM\_001302679) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Adenosine A3 Receptor (ADORA3) (NM\_001302679) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** ADORA3  
**Synonyms:** A3AR  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG236268 representing NM\_001302679.  
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGTTTGGCTGGAACATGAACTGACCTCAGAGTACCACAGAAATGTCACCTTCCTTTCATGCCAATTT
GTTTCCGTCATGAGAATGGACTACATGGTATACTTCAGCTTCTCACCTGGATTTTCATCCCCCTGGTT
GTCATGTGCGCCATCTATCTTGACATCTTTACATCATTTCGGAACAACTCAGTCTGAACCTATCTAAC
TCCAAAGAGACAGGTGCATTTTATGGACGGGAGTTCAAGACGGCTAAGTCCTTGTTCGGTTCTTTTC
TTGTTTGTCTGTGTCATGGCTGCCTTTATCTATCATCAACTGCATCATCTACTTTAATGGTGAGGTACCA
CAGCTTGTGCTGTACATGGGCATCTGCTGCCATGCCAACTCCATGATGAACCCTATCGTCTATGCC
TATAAAATAAAGAAGTTCAAGGAAACCTACCTTTTGATCCTCAAAGCTTGTGTGGTCTGCCATCCCTCT
GATTCTTTGGACACAAGCATTGAGAAGAATTCTGAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:** >Peptide sequence encoded by RG236268  
Blue=ORF Red=Cloning site Green=Tag(s)

```
MFGWNM KLTSEYHRNV TFLSCQFV SVMRMDY MVYFSFLTWIF IPLVVMCAIYLDIF YIIRNKL SLNLSN
SKETGAFYGRF KTA KSLFLV LFLFALS WLPLS IINCIIYFN GEVQQLVLYMGILL SHANSMMNP IYVA
YKIKKFKET YLLILKACV VCHPSDSL DTSIEKNSE
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYP SGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

**Restriction Sites:** SgfI-MluI



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<b>Components:</b>	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).
<b>RefSeq:</b>	<a href="#">NM_001302679.2</a>
<b>RefSeq Size:</b>	1767 bp
<b>RefSeq ORF:</b>	522 bp
<b>Locus ID:</b>	140
<b>Cytogenetics:</b>	1p13.2
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Protein Pathways:</b>	Neuroactive ligand-receptor interaction
<b>MW:</b>	20.6 kDa
<b>Gene Summary:</b>	This gene encodes a protein that belongs to the family of adenosine receptors, which are G-protein-coupled receptors that are involved in a variety of intracellular signaling pathways and physiological functions. The receptor encoded by this gene mediates a sustained cardioprotective function during cardiac ischemia, it is involved in the inhibition of neutrophil degranulation in neutrophil-mediated tissue injury, it has been implicated in both neuroprotective and neurodegenerative effects, and it may also mediate both cell proliferation and cell death. Alternative splicing results in multiple transcript variants. This gene shares its 5' terminal exon with some transcripts from overlapping GenID:57413, which encodes an immunoglobulin domain-containing protein. [provided by RefSeq, Nov 2014]