

## Product datasheet for **MG213982**

### 1700006A11Rik (NM\_027939) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	1700006A11Rik (NM_027939) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	1700006A11Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG213982 representing NM\_027939  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGATAATGAGCAACCATCAAGGAACTTCTGGACCACATGAGTCAGAAAACCTTCGTGGATGTTCTCAACC  
 TGCCAGATGCAGAGAAGAAAACAGTTAACAAAAACAGCCTTTCATAACTCAAGTATCCACAAGGCCTC  
 GGTGCCCCACCAGGACCAAGTTTGCACATCCCTGCCAGTTACTAAGAGAGGAATACTTTTTGGAAATGAT  
 CTCTCTGTTGTTGTGATGATGGAATCTTCTAAAGCAATTCTGGATATGCTCTCCATTCTCAACGAAA  
 AAGGAGCAATCACTGAAGGCATCTTCAGGATATCAGGCAATATGTCAGCATGCCACGCCCTAAAAGAAA  
 GCTGGATTATGGAAAAAGGTGAATCTGAAAAAGGAATGTGTTCTCGCTGGCATCTGTCTAAAGGAG  
 TTTCTTCATAATACAAGGAAGTGTGCTGACTTCTAGACTGTATGATATATGGCTTGATGCTTGGACC  
 AAGAAAATGAAGAGGAGAACTAGCTGCAGTGCAGAGTCTTTACAGCGTCTGCCTTACCCAAATGTCAG  
 CCTCTTGAGAGAACTTTTCAAGATGCTACACAACATAGAAGAAAATTCTGCAGTTAACAAAATGACTGCT  
 TATAGTTTATCTGTTTGCATGGCCCATGTATCCTATGTCTGCCTCGTTCCTGCAACTCGGATTAGCAA  
 ATGATATCTCCAATGAGATTTCCCTTGTAAAATTTCTCATCGAAAACAGTCTGAAAATATTTGGAGAAA  
 CACGGTTTTACGTTATGATGCAAGCTCAGTGTCTTGCCCTGATGTGGAGAAAGCATCAGGTCCCCTAAAC  
 AATATAACTAACTTTGATGAGATGAAGGATAAGGAATATCAAGACAACCACTGTCAAAGTGGGATGACAT  
 GCCCTACAGGCAACAATTCAGTGCCCATGAGTCCAACCTGCTCCTTTCACAAATGAGGGGACTATAGCTTC  
 TGAGAAACCTGTCAAAGATCTTTATAAAGCCAATGATTACCTGTGGCTCAACTACCAGCCATGACAAT  
 GTGTGTATAACCCATCCCATCAGCACCAAAAGGGACACCTTTTGGAAAGTCTCTCACCATTATCT  
 ATGAGGATGGTAATCTGCCTGCTCCAGTTTGGACATGCTTTCTATCATCGATGCAAAAAGGACCAGACAC  
 AGAGAGAATATTAGAACATTAGCTAATAAACCATACCTCACCTTAAGAGAAAAGCTTGACTCTGCAGAG  
 GAAATGAACTTGAGAGAGGAATCTGTTTATATCGTAGCATCTGTCTTAAAGGAATTTATTAGGAATATTC  
 CAGGAAGCTTACTTTGCTCTAATCTGTATGAAAAATGGCTTGCTGCTTGTGATCAAGAATCCATGATCA  
 AAAGATTTCTGCTATCCAAAGTCTTTAATACAGATGCCATTACCAAATGTTCTCCTTTTGGACACCTT  
 CTCTCTGTGCTACACAAGATTAAGGTCGCTCTTCTATTACTCACATGACTGCTTACGCTTTATCAGTTC  
 GCATAGCTCCAAGTATGCTTTGGAATCCTTCTCTCCAACCTCAGGGTTTGGGAATGATATCTCACAAAA  
 GAAACGACTGCAGAAGGAGACT

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG213982 representing NM\_027939  
 Red=Cloning site Green=Tags(s)

MIMSNHQGTSGPHESENFVDVLNLPDAEKKTVNKKQPFITQVFHKASVPHQDQVCTSLPVTKRGILFGND  
 LSVVDDGNLPAKAILDMLSILNEKGAITEGIFRISGNMSACHALKERLDYGKKVNLKKECVLAVASVLKE  
 FLHNIQGSVLSRLYDIWLDVLDQENEEKLAQVQSLQLRPLYPNVLSLLRELFRLHNIERN SAVNKMTA  
 YLSVCMAPCILCLPRSCNSGLANDISNEISLVKFLIENSLKIFGESTVLRDASSVSCPVEKASGPLN  
 NITNFDEMKDKEYQDNHCQSGMTCPTGNNSVPMSPAPLHNEGIIASEKPKVRSFIKPMITCGSTTSHDN  
 VCITPSPSAPNKGHLFGKSLTIICKDGNLPAPVLDMLSIIDAKGPDTERIFRTLANKPYLTLREKLDSEAE  
 EMNLRREESVYIVASVLKEFIRNIPGSLCSNLYGKWLAVLDQEFHDQKISAIQSLLIQMPLPNVLLLRHL  
 LSVLHKIKGRSSITHMTAYALSVRIAPSMWNPSLSNSGFGNDISQKRLQKET

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_027939

**ORF Size:** 1632 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\\_027939.2](#)

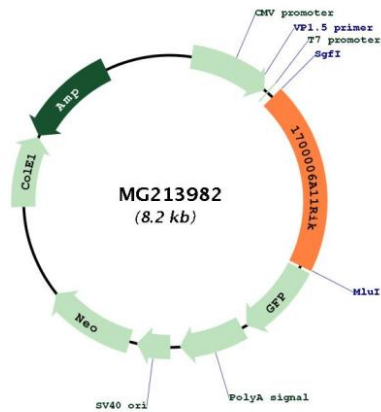
**RefSeq Size:** 1983 bp

**RefSeq ORF:** 1635 bp

**Locus ID:** 71824

**Cytogenetics:** 3 G1

Product images:



Circular map for MG213982