

## Product datasheet for **MG213067**

### **A430089I19Rik (NM\_177913) Mouse Tagged ORF Clone**

#### Product data:

|                           |                                                                             |
|---------------------------|-----------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                         |
| Product Name:             | A430089I19Rik (NM_177913) Mouse Tagged ORF Clone                            |
| Tag:                      | TurboGFP                                                                    |
| Symbol:                   | A430089I19Rik                                                               |
| Synonyms:                 | Gm16522                                                                     |
| Mammalian Cell Selection: | Neomycin                                                                    |
| Vector:                   | pCMV6-AC-GFP (PS100010)                                                     |
| E. coli Selection:        | Ampicillin (100 ug/mL)                                                      |
| ORF Nucleotide Sequence:  | >MG213067 representing NM_177913<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGACTGTTTCAGACTCCGTCCACTCTCCAGAATCTGGCATTGCAGGCTCTGCTGAGAGATGAGGCTTTGG  
CCTTGTTCTGTCTGGAGGAGGTGCCTTTTCTGCTCTTCCAGCTCTGTTCAAGGAGGCCTTTGCTGGCAG  
ACTTAAGAAGCTCATGAAGGCAATCGTGGCAGCCTGGACTTTTCCCTGTCTCCCTGTGGGGGCTTTGATG  
AAGTCACCTAATTGGAGACCTGCAGGCTGTGCTAGATGGAATAGACATGCAACTGACAAGAGAATCTC  
ACCCAGGGGAAACTTCAGGTTCTGGACCTGAGGAATGTGCACCATGCCTTCTGGACATATGGGCTGG  
TGACAGAGGATGGTAGCTGTTCTTCAGAGTCCTTGAATGAGAAGCCTACAGTAGTGAAGGTCCTTCGCAGA  
TATGCACGGAGGAAGCAGCTGAAAGTGGTAGCAGACCTGTGCCTCAGGCCCGCCGTGATGAAACACAAG  
CATACTTCTTGAAGTGGGCCAGCAGAGAAAGGACTCCCTACATTTGTGCTGTATAAACATGAAGATCTG  
GGCTATGCCCCTGGACTTTGTCTTAGAGATTTTGAATGTCTTTCATCCAGAGCACATCGAGGAATTCGAA  
CTGAACACTGAGTGGAATGTGTTAATCTGGCCCGTTTGTCTCCCTGCTTAGGGCAGATGAGAAATCTTC  
GCAAACTTCTCCTGGCACCCCTCTATAAGAATGTCTTCAAGATTGCCAATAGGACAGGAGACAGAGAAGA  
TAAGTGTGTCAAGGAGTTCGTTTCTATCTTCTCCAAATCAATTGTCTCCAGCATCTCTCCATGCAAGGT  
GTCCACTTCTCACAGACCACATGAGTCAGGCTTCAGGTGCTTGATGACACCCTTGAGTCCCTCTCCA  
TCACTCACTACCAAAATTCACAGTCAGACTTGGATTCTTCTCTTGTCTGTCAGAGTCTCTTTCAGCTAAA  
ACATCTGGAGATGAAAGGCATGGTCTTACAGGTTTGGATGTGATGCCTCTGAGAGGTCTCTTAGAGAAA  
GTGGCAAAACTCTTGAGACTCTGAATTTGCAGGGATGTAAGCTGAAGGACTCTCAGCTCAATGCACTCC  
TACCTTCTTCATACGATGCTCTCAGCTCACCAAGATCAACTGTACAACATGACTTCTCCATGCCCAT  
CCTGAAGGACCTTTACAGCAAACAGCCAAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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**Protein Sequence:** >MG213067 representing NM\_177913  
 Red=Cloning site Green=Tags(s)

MTVQTPSTLQNLALQALLRDEALALFCLEEVPFLLFPALFKEAFAGRLKKLMKAIVAAWTFCLPVGALM  
 KSPNLETQLQAVLDGIDMQLTRESHPRGKLQVLDLRNVHAFWDIWAGAEDGSCSSESLNEKPTVVKVLR  
 YARRKQLKVVDLCLRPREDTQAYFLKWAQQRKDSLHLCCINMKIWAMPVDFVLEILNVFHPHEIEFE  
 LNTWNVFNLARFAPCLGQMRNLRLKLLAPLYKNVFKIANRTGDREDKCVKEFVSIFSKFNCLQHLMSMQG  
 VHFLTDMHSQVFRCLMTPLESLSITHYQISQSDLDSCCQSLFQLKHEMKGMVLQVLDVMPRLGLEK  
 VAKTLETLNLQGCKLKDSQLNALLPSFIRCSQLTKINLYNNDFSMPILKDLLQQTAN

TRTRPLE - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_177913

**ORF Size:** 1221 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\_177913.4, NP\_808581.1

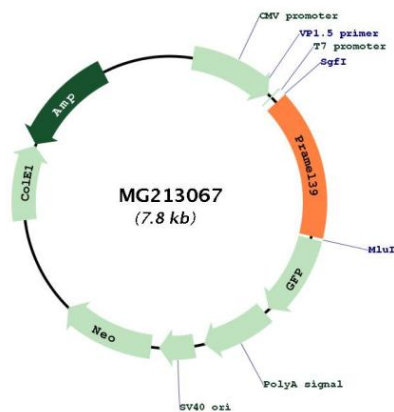
**RefSeq Size:** 1859 bp

**RefSeq ORF:** 1224 bp

**Locus ID:** 331195

**Cytogenetics:** 5 E3

## Product images:



Circular map for MG213067