

## Product datasheet for **MG213296**

### 170008O03Rik (NM\_027049) Mouse Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: 170008O03Rik (NM\_027049) Mouse Tagged ORF Clone  
 Tag: TurboGFP  
 Symbol: 170008O03Rik  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-AC-GFP (PS100010)  
 E. coli Selection: Ampicillin (100 ug/mL)  
 ORF Nucleotide Sequence: >MG213296 representing NM\_027049  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCAGCCAGAGGTGGAGCCTTTAATCTCCCCAACCTGGGCGCCCCTGGCTCACACAGGGAGACAGGAT  
 CCTTCCTGTGGACCTCGAGTCTATGGAGGAGTCCATGTCTCGGAGCCTGGGCAAGCCTGCCAAGTCCCTC  
 GAAGCAGTACCTGCGGCAGGTCATCTCGGAATATGAGGCGCTGGATCGGGAGCTCCCGTGTATCCGAAAA  
 TTCTCAGAACCACCCTCTGCCAGCCCCCTGCCTTTGCATGGAGACTTCGGAAGACTTTACGCACGTGG  
 AGGTGCTCAGGCTTTGGAGGCCGAGCTGCCGGGCCATGGAAGCGGGCGCGTGAACAGCATCCGCTA  
 CGAGAATATGAATGTCTGCGTACTGCGGGCCGAGGGACAGGTGGCTCATCACCGTACAGACTTC  
 CAGACGCGGTACGCCTGCTGCGTCCGGGCTCACCTCCGTGGAACCGGTACCCACTGGTGCGCCACG  
 ACGATTTACTGCTGGGGACTACCGTTTGCACCTGCGCCGCTCTCTGGTCCGAAGCGCATGCTCGAAGC  
 CCTCGGGCGGAGCCTGCCGACGAAGAT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG213296 representing NM\_027049  
 Red=Cloning site Green=Tags(s)

MQPEVEPLISPNLGAPGSHRETGSFLVDLESMEESSRSRLGKPAKSSKQYLQVISEYEALDRELPCIRK  
 FSEPPSAQPLCLCMETSEDFTHVEVLQALEAELPGAMESGRVNSIRYENMNVICGTAGRRDRWLITVDF  
 QTRRLLRSLTLRGTAYPLVRHDDLGLLDYRLHLRSLVRRRMLLEALGAEPADF

**TRTRPLE** - GFP Tag - V

Restriction Sites: SgfI-MluI



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**Cloning Scheme:**


**ACCN:** NM\_027049

**ORF Size:** 588 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\\_027049.1](#), [NP\\_081325.1](#)

**RefSeq Size:** 925 bp

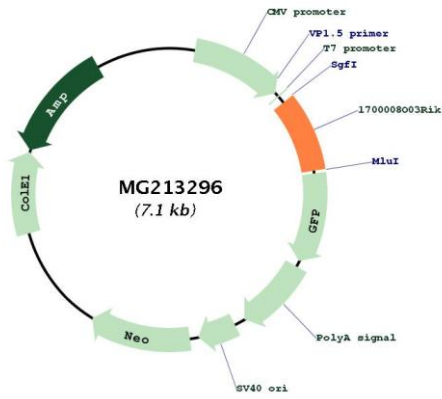
**RefSeq ORF:** 591 bp

**Locus ID:** 69349

**UniProt ID:** [D3Z070](#)

Cytogenetics: 7 B3

Product images:



Circular map for MG213296