

## Product datasheet for **MG202914**

### BC002035 Mouse Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: BC002035 Mouse Tagged ORF Clone  
Tag: TurboGFP  
Mammalian Cell Selection: Neomycin  
Vector: pCMV6-AC-GFP (PS100010)  
E. coli Selection: Ampicillin (100 ug/mL)  
ORF Nucleotide Sequence: >MG202914 representing BC002035  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGTTGCCTGTTAGGCTGTTGGTGCTGATGTTCTGGATTCTGCTTCCAGCAGTGATGTTGTGATGA  
CCCAAACCTCCACTCTCCCTGCCTGTCAGTCTTGGAGATCAAGCCTCCATCTCTTGCAGATCTAGTCAGAG  
CATTGTACATAGTAATGGAAACACCTATTTAGAATGGTACCTGCAGAAACCAGGCCAGTCTCCAAAGCTC  
CTGATCTACAAGTTTTCCAACCGATTTTCTGGGGTCCCAGACAGGTTCAAGTGGCAGTGGATCAGGGACAG  
ACTTCACACTCAAGATCAGCAGAGTGGAGGCTGAGGATCTGGGAGTTTATTACTGCTTTCAAGGTTTACA  
TGTTCCGTATACGTTCCGATCGGGACCAAGCTGGAAATAAAACGGGCTGATGCTGCACCAACTGTATCC  
ATCTTCCCACCATCCAGTGAGCAGTTAACATCTGGAGGTGCCTCAGTCGTGTGCTTCTTGAACAACCTTCT  
ACCCCAAAGACATCAATGTCAAGTGAAGATTGATGGCAGTGAACGACAAAATGGCGTCCTGAACAGTTG  
GACTGATCAGGACAGCAAAGACAGCACCTACAGCATGAGCAGCACCTCACGTTGACCAAGGACGAGTAT  
GAACGACATAACAGTATACCTGTGAGGCCACTCACAAAGACATCAACTTCACCCATCGTCAAGAGCTTCA  
ACAGGAATGAGTGT

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

Protein Sequence: >MG202914 representing BC002035  
Red=Cloning site Green=Tags(s)

MKLPVRLLVLMFWIPASSSDVMTQTPLSLPVSLGDQASISCRSSQIVHSNGNTYLEWYLKPGQSPKLL  
LIYKVSNRFSGVPDRFSGSGSDFTLTKISRVEAEDLGVIYCFQGSHPVYTFGSGTKLEIKRADAAPT  
VSIFFPSSEQLTSGGASVVCFLNMFYPKDINVKWKIDGSRQNGVLNSWTDQDSKDYSTYSMSSTLTLTKDEY  
ERHNSYTCEATHKTSTSPIVKSFNRNEC

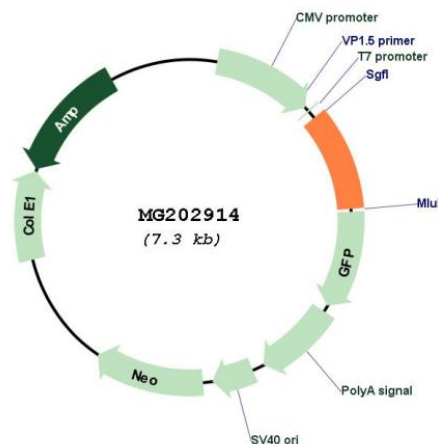
**TRTRPLE** - GFP Tag - V

Restriction Sites: SgfI-MluI



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**Cloning Scheme:**

**Plasmid Map:**


ACCN: BC002035

ORF Size: 716 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:** [BC002035](#)

**RefSeq Size:** 977 bp

**RefSeq ORF:** 716 bp