

## Product datasheet for **MG212318**

### Gm10230 (NM\_001099347) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Gm10230 (NM\_001099347) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Gm10230  
**Synonyms:** ENSMUSG00000068103  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG212318 representing NM\_001099347  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCTATTAAGAACTGTGGGTGATACCAAAGGATGGTTACTTATTACTTCTTGACTATGATTCAGATG  
AAGAAGAAGAGCAGGCTCATTCTGAAGTAAAGAGGCCAGCATTTGGCAAACATGAGAATATGCCGCCTCA  
CGTAGAAGCAGATGAAGATATAAGAGATGAACAAGACAGTATGTTGGATAAATCTGGAGAAAACGTAAGT  
TTCTCAGAGGAATGGCAGCGTTTTGCACGTTCTGTAGAGACCAATGGAAAACGGAATTTGTTAAGTG  
GTGAACAGCAAGTTAGGAATGCTTCAGAATTGGACCTTATGGAAGTACAGAATCCAGTAACATCATGATGA  
TGGGAATGCAAACTCCTGAAGAAGTAGTTGGAGATACACGAAAGAAGATCAACAACAAATTGTGTGAGCAG  
AAGTTTGATATGGATATACAGAAATCAATGAAGAACAAGAAAAATCAGTGAACAATTATCAAAAAGAAC  
AACAAGCATTAAAACGTCCGAATGTAGTCAGAGTCCGACCATGGAAGCAATTGAAGACATGCATGAGAA  
GTCCATGGAGGGTTTGTGAACATGGAGACCAACAACACTACGATATGCTTTTTGATGTAGATGGTGAAGAG  
ACATTA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG212318 representing NM\_001099347  
 Red=Cloning site Green=Tags(s)

MSIKKLWVIPKDGYL LLLDYDSDEEEEAHSEVKRPAFGKHENMPPHVEADEDIRDEQDSMLDKSGENV  
 FSEEWQRFARSVETPMENWNLLSGEQQVRNASELDLMEVQNPVTHDDGNANPEEVVGDTRKKINNKLCEQ  
 KFDMDIQKFNEEQEKSVNNYQKEQQALKLSECSQSPTMEAIEDMHEKSMEGLMNMETNNYDMLFDVDGEE  
 TL

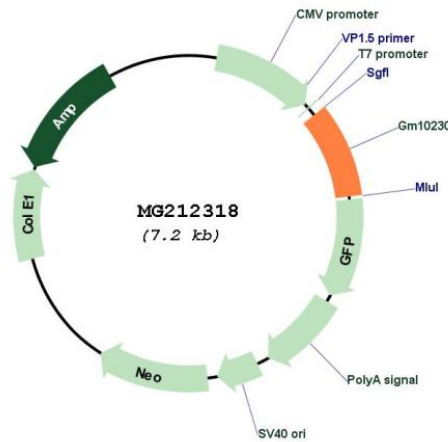
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001099347

**ORF Size:** 636 bp

|                               |   |
|-------------------------------|---|
| <b>OTI Disclaimer:</b>        | 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. <a href="#">More info</a>  |
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.  |
| <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>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <a href="#">NM_001099347.3</a>  |
| <b>RefSeq Size:</b>           | 894 bp  |
| <b>RefSeq ORF:</b>            | 639 bp  |
| <b>Locus ID:</b>              | 100042175   |
| <b>Cytogenetics:</b>          | X   |