

## Product datasheet for **MG225078**

### **Bod1 (NM\_001024919) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Bod1 (NM\_001024919) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Bod1  
**Synonyms:** 2310022M17Rik; BOD2.1; Fam44b  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG225078 representing NM\_001024919  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGGACGGTGCAGGAGCAGGCGCGGGCCAGGCTTCGGGACCGTCCGGGGCTCGAGTGGGGCCG  
 GCGGCCCTGTCAATCCCCTTCGCTGCCTCCGGGAGACCCGAGCTCATCGCTCTCATAGTGAGCAGCT  
 CAAGAGCCGTGGGCTGTTTGACAGCTTCCGCCGGGACTGCCTGGCCGACGTGGACACTAAGCCAGCTTAC  
 CAGAACCTAAGGCAGAAGGTGGATAATTCGTGTCAACACATCTGGACAAACAGGAATGGAATCCTGCAA  
 TGAACAAGAACCAGTTGCGAAATGGGCTGAGGCAGAGCGTGGTTCAGTCAGGTATGTTGGAAGCAGGAGT  
 GGACAGGATCATTTCCTCAAGTGGTAGACCCAACTAAACACATCTTCAGGCCACAGATAGAGAGAGCA  
 ATCCATGAGTTCTTGGCTGCCAGAAAAAAGAAGCTGTGCCGGCCCCGCCTCCAGAACCTGAAAGCCAGG  
 ACCCTCCAGCACCATCCCAGGATGCTTCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG225078 representing NM\_001024919  
 Red=Cloning site Green=Tags(s)

MADGAGAGAAGQASGPSGGSSGAGGPVNPASLPPGDPQLIALIVEQLKSRGLFDSFRRDCLADVDTKPAY  
 QNLRQKVDNFVSTHLDKQEWNPAMNKNQLRNGLRQSVVQSGMLEAGVDRIISQVVDPKLNHIFRPQIERA  
 IHEFLAAQKKEAVPAPPPEPESQDPPAPSQDAS

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



[View online »](#)

**Cloning Scheme:**


**ACCN:** NM\_001024919

**ORF Size:** 519 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\\_001024919.1](#), [NP\\_001020090.1](#)

**RefSeq Size:** 1408 bp

**RefSeq ORF:** 522 bp

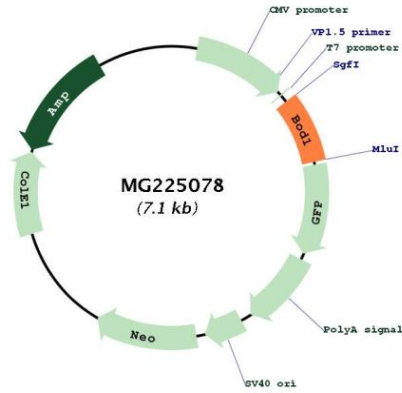
**Locus ID:** 69556

**UniProt ID:** [Q5SQY2](#)

**Cytogenetics:** 11 18.55 cM

**Gene Summary:** Required for proper chromosome biorientation through the detection or correction of syntelic attachments in mitotic spindles.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG225078