

## Product datasheet for **RG201321**

### **BOD1 (NM\_138369) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** BOD1 (NM\_138369) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** BOD1  
**Synonyms:** FAM44B  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG201321 representing NM\_138369  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGGACGGCGGGCGGGGGAAGTGGCGCGTGGGCGGGCGGGAAGTACCCAGGCCTCTGCCG  
 GGGCAGCGACTGGCGCTACTGGGCGCAGCGGGGCGGTGGCCCCATCAACCCGGCCTCGTGCCTCCCGG  
 CGACCCGAGCTCATCGCTCTCATCGTGGAGCAGCTCAAGAGCCGGGCGCTTTTGGACAGCTTCCGCGG  
 GACTGCCTGGCCGACGTGGACACCAAGCCAGCTTACCAAAACCTGAGGCAGAAAGTGATAATTTGTGT  
 CAACACATCTGGACAAGCAGGAATGGAATCCTACGATGAACAAAACAGTTGCGAAATGGTCTGAGGCA  
 GAGTGTGGTTTCAGTCAGGGATGTTGGAAGCTGGAGTAGACAGGATTATTTCTCAGGTGGTGGATCCAAA  
 CTTAACCATCTTCAGGCCACAAATAGAACGAGCAATTCATGAGTTCCTGGCGGCCAGAAAAAGCAG  
 CTGTGCCAGCACCCCTCCAGAGCCGAAGGCCAGGACCTCCAGCTCCATCTCAGGACACTTCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG201321 representing NM\_138369  
 Red=Cloning site Green=Tags(s)

MADGGGGGTGAVGGGTSQASAGAATGATGASGGGPIINPASPDPQLIALIVEQLKSRGLFDSFRR  
 DCLADVDTKPAYQNLQKVDNFVSTHLKQEWNPMTMKNQLRNGLRQSVVQSGMLEAGVDRIISQVVDPK  
 LNHIIFRPQIERAIEFLAAQKKAAPPPPEPEGGQDPPAPSQDTS

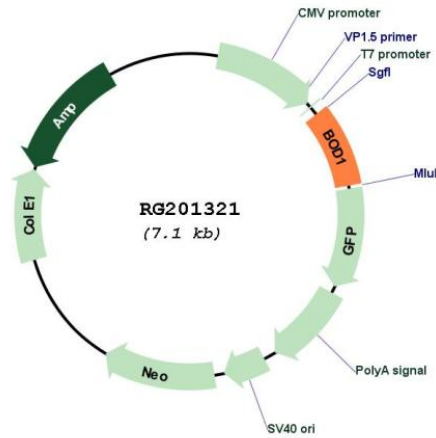
**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_138369

**ORF Size:** 555 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.

<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>	<u><a href="#">NM_138369.3</a></u>
<b>RefSeq Size:</b>	1554 bp
<b>RefSeq ORF:</b>	558 bp
<b>Locus ID:</b>	91272
<b>UniProt ID:</b>	<u><a href="#">Q96IK1</a></u>
<b>Cytogenetics:</b>	5q35.2
<b>Gene Summary:</b>	Required for proper chromosome biorientation through the detection or correction of syntelic attachments in mitotic spindles.[UniProtKB/Swiss-Prot Function]