

## Product datasheet for **MG203159**

### **Psmid9 (NM\_026000) Mouse Tagged ORF Clone**

#### **Product data:**

**Product Type:** Expression Plasmids  
**Product Name:** Psmid9 (NM\_026000) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Psmid9  
**Synonyms:** 1500011J20Rik; 2610202L11Rik; Bridge-1; P27  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG203159 representing NM\_026000  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCGGGTGAAGACGTTCCGCACCGGGCAGAGTCCTCCGAGGCCGTGCGGCCGCGGTGAGCGACATCC  
AGGATCTGATGCGACGCAAGGAGGAGATCGAGGCCGAGATCAAGGCTAATTACGACGTCCTGGAGAGCCA  
AAAAGGAATTGGCATGAACGAACCGCTGGTGGACTGTGAGGGCTATCCCCGGCGGATGTGGACTTGATC  
CAGGTCCGAACAGCAAGGCACAACATCATCTGTCTCCAGAATGATCACAAGGCACTGATGAAGCAAGTGG  
AGGAGGCCCTGCACCAGCTGCACGCTCGGGACAAAGAGAAGCAGGCTCGGGACATGGCTGAAGCCCAGAG  
AGAGGCCATGAACCGCAGGCTGGCCTCCAACAGCCCCGTCTGCCCCAGGCCTTTGCCAGAGTGAACAGT  
ATCAGCCCCGGTTCCCCAGCCAGTATTGCGGGCCTGCAAGTGGATGACGAAATTGTGGAGTTCGGCTCCG  
TGAACACCCAAAACCTCCAGTCAGTGCAGAACGTGGGCACTGTGGTGCAGCATAGCGAGGGGAAGCCCT  
GAATGTGACGGTATCCGCAGAGGAGAGAAGCACCAGCTCAGACTGATCCAACCCGCTGGGCAGGAAAA  
GGACTGCTGGGCTGCAACATTATCCTCTCCAGAGA

**ACGCGT**ACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG203159 representing NM\_026000  
 Red=Cloning site Green=Tags(s)

MSGEDVPHRAESSEARAAAVSDIQDLMRRKEEIEAEIKANYDVLVESQKGIGMNEPLVDCEGYPRADVLDLY  
 QVRTARHNIICLQNDHKALMKQVEEALHQLHARDKEKQARDMAEAREEAMNRRLASNSPVLPOQAFARVNS  
 ISPGSPASIAGLQVDDEIVEFGSVNTQNFQSVQNVGTVVQVHSEGKPLNVTVIRRGEKHQLRLIPTRWAGK  
 GLLGCNIIPLQR

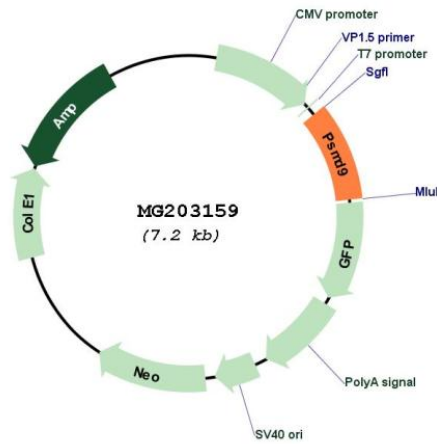
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_026000

**ORF Size:** 666 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_026000.2</a> , <a href="#">NP_080276.2</a>
<b>RefSeq Size:</b>	2610 bp
<b>RefSeq ORF:</b>	669 bp
<b>Locus ID:</b>	67151
<b>UniProt ID:</b>	<a href="#">Q9CR00</a>
<b>Cytogenetics:</b>	5 F
<b>Gene Summary:</b>	Acts as a chaperone during the assembly of the 26S proteasome, specifically of the base subcomplex of the PA700/19S regulatory complex (RC). During the base subcomplex assembly is part of an intermediate PSMD9:PSMC6:PSMC3 module, also known as modulator trimer complex; PSMD9 is released during the further base assembly process (By similarity). [UniProtKB/Swiss-Prot Function]