

## Product datasheet for **MG202863**

### Trmt11 (BC048703) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Trmt11 (BC048703) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Trmt11  
**Synonyms:** 2410075D05Rik; 3110045I18Rik; AW213713  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG202863 representing BC048703  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGTGGCCTCCTTATAGCATCTGCTCACTTTGGTGCATATGTGTGGGACAGACATAGACTACAATA  
CAGTTCATGGCTTGGGAAAGGCTAGTAGAAAAACCAGAAATGGCGTGGACCAGATGAAAACATCAGGGC  
AAATCTTCGTAGTATGGCTTAGAGAAGTTTTACCTTGATGTCTTGGTTTCAGATGCGTCTAAGCCTTCC  
TGGAGGAAGGGAACATATTTTGATGCAATCATCACAGATCCTCCATATGGTATCAGAGAATCTACAAGAA  
GATCAGGTTACAGAAGGACATACCAAAGGGAATAGAAAAATGTCCAGAAAGCCACGTTCTGTTTCCTT  
GAGTTATCACCTGAGTGACATGTTTTTTGACCTGTAAATTTTGCAGCTGAGACCCTTGTACTGGGTGGA  
AGACTAGTCTATTGGCTACCAAGTATATACACCAGAGTACACTGAGGAGATGGTGCCGTGGCACCCCTTGCC  
TGACTCATTAGCAACTGTGAACAGAAGCTTTCCAGTCACACAGCAAGGCGCCTGATCACCATGGAAAA  
GGTGAAGGAATTTGAGAACCGGGACAAGTATTCACACCTGCTGAGTGATCATTCTGCCGTACCAAGGA  
CATAATTCTTCCGTGAGAAATATTTTAGTGGTGAACAAAAAGAATTGCCAAGGAAGAAAAATGCAGCC  
ACGAG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG202863 representing BC048703  
Red=Cloning site Green=Tags(s)

MGLLIASAHFGAYVCGTDIDYNTVHGLGKASRKNQKWRGPDENIRANLRQYGLEKFYLDVLVSDASKPS  
 WRKGTYFDAIITDPPYGIESTRRSGSQKDIPKGIKCPESHVPVSLSYHLSDMFFDLLNFAAETLVVGG  
 RLVYWLVPVYTPPEYTEEMVPHCLRLISNCEQKLSSTARRLITMEKVKEFENRDKYSHLLSDHFLPYQG  
 HNSFREKYFSGVTKRIAKEEKCSHE

TRTRPLE - GFP Tag - V

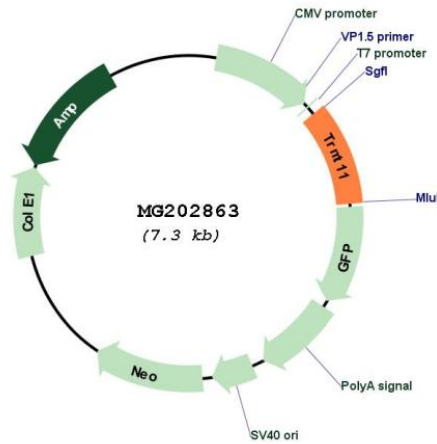
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** BC048703

**ORF Size:** 707 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="#">BC048703</a> , <a href="#">AAH48703</a>
<b>RefSeq Size:</b>	1574 bp
<b>RefSeq ORF:</b>	707 bp
<b>Locus ID:</b>	73681
<b>Cytogenetics:</b>	10 A4
<b>Gene Summary:</b>	Catalytic subunit of an S-adenosyl-L-methionine-dependent tRNA methyltransferase complex that mediates the methylation of the guanosine nucleotide at position 10 (m2G10) in tRNAs. [UniProtKB/Swiss-Prot Function]