

## Product datasheet for **MG209540**

### Trmt1 (NM\_198020) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Trmt1 (NM_198020) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Trmt1
Synonyms:	6720406L13Rik; 6720477L24; D8Erttd812e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG209540 representing NM\_198020  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGAGAACGGCACCCGGTTCTGCGAAGAGCGCCACCCGCGACCCGGTTGCGACTGTCACTGAGGGCG  
 CCGCCAAAATCGTCTTTCCAGTGCTAACGAGGTTTTCTATAACCCGGTGCAAGGAATCAACCGGGACCT  
 GACGTGTGCTGTGATCACAGAGTTTCTCGAATTCATCTTGGGGCCAAGGAATCCAGATCAAGTTCCA  
 GGAGAGAAGGAGTCAGAGAAAATAGCTGTGGACTTGTCTGATCAAGAAGAGGAAACAGCTGGAAAGAATG  
 AAAATCTGGCCCCAGGGACTGGCCACGGACTGCTGCAGTGGGTGAGATCTGTGAGGAAGGTCTACGAGT  
 GCTGGAAGGCTGGCAGCTTCCGGTCTGCGCTCCATCCGTTTTGCCCTGGAGTTCTGGCTCCAGTCT  
 GTGGTTGCCAATGATGCCTTGCCTGGGCTGTAGAGCTTATGCACAGAAATGGGAGCTCAATGGTGTGG  
 CACATCTTGTTCAGCCCAACCAGGCAGATGCCCGGATGCTGATGTACCAACACAAAAGGCACCTGAGCG  
 ATTTGATGTCATTGACCTGGACCCTATGGCAGCCCCGCCCTTCTGGATGCAGCAGTGCAGGCTGTG  
 AGTGATGGAGGACTTCTGTGTGTACCTGCACAGACATGGCAGTCTGGCGGGAAACAGCGGAGAGACAT  
 GCTACAGCAAGTATGGGGCCATGGCCCTCAAGAGCCGAGCCTGCCATGAAATGGCCCTGCGGATTGTGCT  
 GCACAGCTGGACCTGCACGCCAACTGCTACCAGCGCTATATCGTGCCGCTGCTCAGCATCAGTGTGAC  
 TTCTATATCCGGGCTTTGTACGTGTTTTACAGGCCAGGCCAAGGTTAAGTCTCAGCCAGCAAACAGG  
 CCCTGGTGTCCAGTGTGTGGTGTGGAGCCTTCTACCTGCAACGCCTTGGCAAAGCATCAGGAGACCC  
 TGGTGGCAGGATCAAGTTCTCTGCAGCCTGTGGTCTCCAGTAACTCCGAGTGTGAGCACTGTGGACAG  
 AGACACCAGCTTGGGGGCCCATGTGGCAGAGCCCATCCATGACCTGGACTTCGTGGCCGAGTTCTTG  
 ACGCAGTGACCACGAATCTGGCCGCTTCCACACTTCCATGAGGATCCAAGGCGTCTCAGTGTGTTTAC  
 TGAGGAACCTTCTGATGTCCCTCTACTACACTGGACCAACTGAGCAGCACTATCCACTGCAACACA  
 CCCCCTTCTGCAGCTTCGGTCACTCTCCTTATGCTGGTTTCCGAGTCTCTCTCCATGCTTGTGA  
 AGAATGCAGTGAAGACAGATGCTCCCCCTGAGGCCCTCTGGGACATCATGCGTTGCTGGGAAAAGGAATG  
 TCCAGTGAACGGGAGCGGCTGTCTGAAAGCAGTCCAGCATTCCGAATCTTGCTGTGGAGCCAGGCTG  
 AAGGCCAACTTCAACATCCGGGAAGACGCCAACCCAGCTCCCGCCAGCGAGGACTTAAGCGCTTCCAGG  
 CCAATCCAGAAGCAACTGGGGTCCCCGCCCGTGCCCGCCAGGGGCAAGGCAGCAAGTGAAGATCT  
 AGCAGGGAGCGGAGGCTGCTACAGAATAAGAGGAAGGAGCCAGCTGAGGACCCGCCAGCGTGCAGCT  
 CGCCTTAAGACATTTCTTGAAACGATTCAAAGAGGGTACCTGTCAACTAGGGGACCAGTGTGTTATT  
 CACACAGTCTGCAGCTCCTGTGCCTCTGGTGATATCCCATCGAAGAATGTCCGGAGACTACCACCAA  
 GATCTCCCTGGACCAAAGGCTGCTGCTGGGGTATTCTGGGCCAGGTGTAGAC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG209540 representing NM\_198020  
 Red=Cloning site Green=Tags(s)

MENGRFCEERPPADPVATVTEGAAKIVFPSANEVFNYPVQEFNRDLTCAVITEFARIHLGAKGIQIKVP  
 GEKESEKIAVDLSDQEEETAGKNENLAPGDWPRTAAVGEICEEGLRVLEGLAASGLRSIRFALEVPGLQS  
 VVANDASARAVELMHRNVELNGVAHLVQPNQADARMLMYQHQAPEKFDVIDLDPYGSPAPFLDAAVQAV  
 SDGGLLCVTCTDMAVLAGNSGETCYSKYGAMALKSRACHEMALRIVLHSLDLHANCYQRYIVPLLSISAD  
 FYIRVFRVFTGQAKVKSASKQALVFQCVCGAFYLQRLGKASGDPGGRIFKSAACGPPVTPCEHCQG  
 RHQLGGPMWAEP IHDLDVGRVLDVAVTNPGRFHTSMRIQVLSVVTEELPDVPLYYTLDQLSSTIHCNT  
 PRLLQLRSALLHAGFRVLSHACKNAVKTDAPEALWDIMRCWEKECPVKRERLSESSPAFRILAVEPRL  
 KANFNIREDANPSSRQRLKRFQANPEANWGPRPRARPGKAASEDLAGRRLQNKRKEPAEDPAQRAA  
 RLKTFPCKRFKEGTCQLGDQCCYSHSPAAPVASGDIPIECPETTTKISPGKAAAGVIPGPGVD

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

SgfI-MluI



<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_198020.1</a> , <a href="#">NP_932137.1</a>
<b>RefSeq Size:</b>	2149 bp
<b>RefSeq ORF:</b>	1992 bp
<b>Locus ID:</b>	212528
<b>UniProt ID:</b>	<a href="#">Q3TX08</a>
<b>Cytogenetics:</b>	8 41.02 cM
<b>Gene Summary:</b>	Dimethylates a single guanine residue at position 26 of most tRNAs using S-adenosyl-L-methionine as donor of the methyl groups.[UniProtKB/Swiss-Prot Function]