

## Product datasheet for **MR209540**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Trmt1 (NM_198020) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trmt1
Synonyms:	6720406L13Rik; 6720477L24; D8Erttd812e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR209540 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGAACGGCACCCGGTTCTGCGAAGAGCGCCACCCGCGACCCGGTTGCGACTGTCACTGAGGGCG  
 CCGCCAAAATCGTCTTTCCAGTGCTAACGAGGTTTTCTATAACCCGGTGCAGGAATCAACCGGGACCT  
 GACGTGTGCTGTGATCACAGAGTTTCTCGAATTCATCTTGGGGCCAAGGAATCCAGATCAAGTTCCA  
 GGAGAGAAGGAGTCAGAGAAAATAGCTGTGGACTTGTCTGATCAAGAAGAGGAAACAGCTGGAAAGAATG  
 AAAATCTGGCCCCAGGGACTGGCCACGGACTGCTGCAGTGGGTGAGATCTGTGAGGAAGGTCTACGAGT  
 GCTGGAAGGCCTGGCAGCTTCCGGTCTGCGCTCCATCCGTTTTGCCCTGGAGTTCTGGCTCCAGTCT  
 GTGGTTGCCAATGATGCCTCTGCCCGGCTGTAGAGCTTATGCACAGAAATGGGAGCTCAATGGTGTGG  
 CACATCTTGTTCAGCCCAACCAGGCAGATGCCCGGATGCTGATGTACCAACACAAAAGGCACCTGAGCG  
 ATTTGATGTCATTGACCTGGACCCTATGGCAGCCCCGCCCTTCTGGATGCAGCAGTGCAGGCTGTG  
 AGTGATGGAGGACTTCTGTGTGCACCTGCACAGACATGGCAGTCTGGCGGGAAACAGCGGAGAGACAT  
 GCTACAGCAAGTATGGGGCCATGGCCCTCAAGAGCCGAGCCTGCCATGAAATGGCCCTGCGGATTGTGCT  
 GCACAGCTGGACCTGCACGCCAACTGCTACCAGCGCTATATCGTGCCGCTGCTCAGCATCAGTGTGAC  
 TTCTATATCCGGGTCTTTGTACGTGTTTTACAGGCCAGGCCAAGGTTAAGTCTCAGCCAGCAAACAGG  
 CCCTGGTGTCCAGTGTGTGGTGTGGAGCCTTCTACCTGCAACGCCTTGGCAAAGCATCAGGAGACCC  
 TGGTGGCAGGATCAAGTTCTCTGCAGCCTGTGGTCTCCAGTAACTCCCGAGTGTGAGCACTGTGGCAG  
 AGACACCAGCTTGGGGGGCCCATGTGGCAGAGCCCATCCATGACCTGGACTTCGTGGGCGGAGTCTTG  
 AGCAGTGACCACGAATCTGGCCGCTTCCACACTTCCATGAGGATCCAAGGCGTCTCAGTGTGTTTAC  
 TGAGGAATCTCTGATGTCCCTCTACTACACTGGACCAACTGAGCAGCACTATCCACTGCAACACA  
 CCCCCTTCTGCAGCTTCGGTCACTCTCCTTATGCTGGTTTCCGAGTCTCTCTCCATGCTTGTGA  
 AGAATGCAGTGAAGACAGATGCTCCCCCTGAGGCCCTCTGGGACATCATGCGTTGCTGGGAAAAGGAATG  
 TCCAGTGAACGGGAGCGGCTGTCTGAAAGCAGTCCAGCATTCCGAATCTTGCTGTGGAGCCAGGCTG  
 AAGGCCAACTTCAACATCCGGGAAGACGCCAACCCAGCTCCCGCCAGCGAGGACTTAAGCGCTTCCAGG  
 CCAATCCAGAAGCAACTGGGGTCCCCGGCCCCGTGCCCGCCAGGGGCAAGGCAGCAAGTGAAGATCT  
 AGCAGGGAGCGGAGGCTGCTACAGAATAAGAGGAAGGAGCCAGTGTGAGGACCCGGCCAGCGTGCAGCT  
 CGCCTTAAGACATTTCTTGAAACGATTCAAAGAGGGTACCTGTCAACTAGGGGACCAGTGTGTTATT  
 CACACAGTCTGCAGCTCTGTGCCTCTGGTGTATATCCCATCGAAGAATGTCCGGAGACTACCACCAA  
 GATCTCCCTGGACCAAAGGCTGCTGCTGGGGTATTCTGGCCAGGTGTAGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

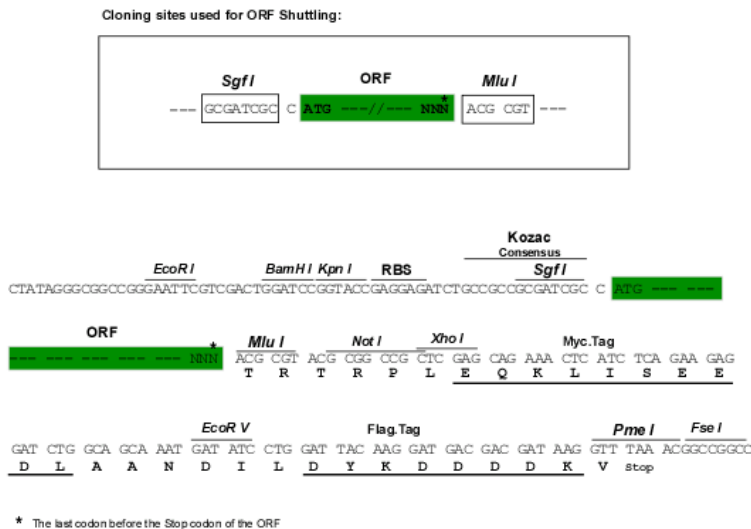
>MR209540 protein sequence  
 Red=Cloning site Green=Tags(s)

MENGRFCEERPPADPVATVTEGAAKIVFPSANEVFNYPVQEFNRDLTCAVITEFARIHLGAKGIQIKVP  
 GEKESEKIAVDLSDQEEETAGKNENLAPGDWPRTAAVGEICEEGLRVLEGLAASGLRSIRFALEVPGLQS  
 VVANDASARAVELMHRNVELNGVAHLVQPNQADARMLMYQHQAPEKFDVIDLDPYGPAPFLDAAVQAV  
 SDGGLLCVTCTDMAVLAGNSGETCYSKYGAMALKSRACHEMALRIVLHSLDLHANCYQRYIVPLLSISAD  
 FYIRVFRVFTGQAKVKSSASKQALVFQCVGCGAFYLQRLGKASGDPGGRIKFS AACGPPVTPECEHCGQ  
 RHQLGGPMWAEPIDHLDLDFVGRVLDVTTNPGRFHTSMRIQGVLSVVTEELPDVPLYYTLDQLSSTIHCNT  
 PRLLQLRSALLHAGFRVSLSHACKNAVKTDAPEALWIMRCWEKECPVKRERLSESSPAFRILAVEPRL  
 KANFNIREANPSSRQRLKRFQANPEANWGPRPRARPGKAASEDLAGRRLQLNKRKEPAEDPAQRAA  
 RLKTFPCKRFKEGTCQLGDQCCYSHSPAAPVASGDIPIEECPETTTKISPGPKAAAGVIPGPGVD

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_198020

ORF Size: 1878 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\\_198020.2](#)

RefSeq Size: 2186 bp

RefSeq ORF: 1992 bp

Locus ID: 212528

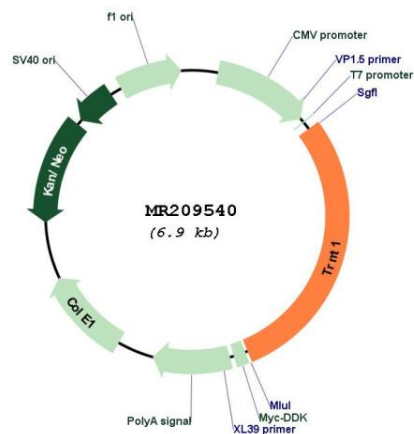
UniProt ID: [Q3TX08](#)

**Cytogenetics:** 8 41.02 cM

**MW:** 68.1 kDa

**Gene Summary:** 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]

**Product images:**



Circular map for MR209540