

Product datasheet for **MG220846**

Trmt1 (NM_001164559) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trmt1 (NM_001164559) 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:

>MG220846 representing NM_001164559
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGAACGGCACCCGGTTCTGCGAAGAGCGCCACCCGCGACCCGGTTGCGACTGTCACTGAGGGCG
 CCGCCAAAATCGTCTTTCCAGTGCTAACGAGGTTTTCTATAACCCGGTGCAAGGAATCAACCGGGACCT
 GACGTGTGCTGTGATCACAGAGTTTCTCGAATTCATCTTGGGGCCAAGGAATCCAGATCAAGTTCCA
 GGAGAGAAGGAGTCAGAGAAAATAGCTGTGGACTTGTCTGATCAAGAAGAGGAAACAGCTGGAAAGAATG
 AAAATCTGGCCCCAGGGGACTGGCCACGGACTGCTGCAGTGGGTGAGATCTGTGAGGAAGGTCTACGAGT
 GCTGGAAGGCCTGGCAGCTTCCGGTCTGCGCTCCATCCGTTTTGCCCTGGAGGTTCTGGCTCCAGTCT
 GTGGTTGCCAATGATGCCTTGCCTGGGCTGTAGAGCTTATGCACAGAAATGGGAGCTCAATGGTGTGG
 CACATCTTGTTCAGCCCAACCAGGCAGATGCCCGGATGCTGATGTACCAACACAAAAGGCACCTGAGCG
 ATTTGATGTCATTGACCTGGACCCTATGGCAGCCCCGCCCTTCTGGATGCAGCAGTGCAGGCTGTG
 AGTGATGGAGGACTTCTGTGTGCACCTGCACAGACATGGCAGTCTGGCGGGAAACAGCGGAGAGACAT
 GCTACAGCAAGTATGGGGCCATGGCCCTCAAGAGCCGAGCCTGCCATGAAATGGCCCTGCGGATTGTGCT
 GCACAGCTGGACCTGCACGCCAACTGCTACCAGCGCTATATCGTGCCGCTGCTCAGCATCAGTGTGAC
 TTCTATATCCGGGCTTTGTACGTGTTTTACAGGCCAGGCCAAGGTTAAGTCTCAGCCAGCAAACAGG
 CCCTGGTGTCCAGTGTGTGGGTTGTGGAGCCTTCTACCTGCAACGCCTTGGCAAAGCATCAGGAGACCC
 TGGTGGCAGGATCAAGTTCTCTGCAGCCTGTGGTCTCCAGTAACTCCGAGTGTGAGCACTGTGGACAG
 AGACACCAGCTTGGGGGCCCATGTGGCAGAGCCCATCATGACCTGGACTTCGTGGGCCGAGTTCTTG
 ACGCAGTGACCACGAATCTGGCCGCTTCCACACTTCCATGAGGATCCAAGGCGTCTCAGTGTGTTTAC
 TGAGGAACCTTCTGATGTCCTCTCTACTACACTGGACCAACTGAGCAGCACTATCCACTGCAACACA
 CCCCCTTCTGCAGCTTCGGTCACTCTCTTATGCTGGTTTCCGAGTCTCTCTCCATGCTTGTGA
 AGAATGCAGTGAAGACAGATGCTCCCCCTGAGGCCCTCTGGGACATCATGCGTTGCTGGGAAAAGGAATG
 TCCAGTGAACGGGAGCGGCTGTCTGAAAGCAGTCCAGCATTCCGAATCTTGTGTGGAGCCAGGCTG
 AAGGCCAACTTCAACATCCGGGAAGACGCCAACCCAGCTCCCGCCAGCGAGGACTTAAGCGCTTCCAGG
 CCAATCCAGAAGCAACTGGGGTCCCCGGCCCCGTGCCCGCCAGGGGCAAGGCAGCAAGTGAAGATCT
 AGCAGGGAGCGGAGGCTGCTACAGAATAAGAGGAAGGAGCCAGCTGAGGACCCGGCCAGCGTGCAGCT
 CGCCTTAAGACATTTCTTGAAACGATTCAAAGAGGGTACCTGTCAACTAGGGGACCAGTGTGTTATT
 CACACAGTCTGCAGCTCTGTGCCTCTGGTGATATCCCATCGAAGAATGTCCGGAGACTACCACCAA
 GATCTCCCTGGACCAAAGGCTGCTGCTGGGGTATTCTGGGCCAGGTGTAGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG220846 representing NM_001164559
 Red=Cloning site Green=Tags(s)

MENGRFCEERPPADPVATVTEGAAKIVFPSANEVFNYPVQEFNRDLTCAVITEFARIHLGAKGIQIKVP
 GEKESEKIAVDLSDQEEETAGKNENLAPGDWPRTAAVGEICEEGLRVLEGLAASGLRSIRFALEVPGLQS
 VVANDASARAVELMHRNVELNGVAHLVQPNQADARMLMYQHQAPEKFDVIDLDPYGSPAPFLDAAVQAV
 SDGGLLCVTCTDMAVLAGNSGETCYSKYGAMALKSRACHEMALRIVLHSLDLHANCYQRYIVPLLSISAD
 FYIRVFRVFTGQAKVKSSASKQALVFQCVCGAFYLQRLGKASGDPGGRIFKSAACGPPVTPCEHCQG
 RHQLGGPMWAEP IHDLDVGRVLDVTTNPGRFHTSMRIQVLSVVTEELPDVPLYYTLDQLSSTIHCNT
 PRLLQLRSALLHAGFRVLSHACKNAVKTDAPEALWDIMRCWEKECPVKRERLSESSPAFRILAVEPRL
 KANFNIREDANPSSRQRLKRFQANPEANWGPRPRARPGKAASEDLAGRRLQLNKRKEPAEDPAQRAA
 RLKTFPCKRFKEGTCQLGDQCCYSHSPAAPVASGDIPIECPETTTKISPGPKAAAGVIPGPGVD

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001164559

ORF Size: 1989 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_001164559.1](#), [NP_001158031.1](#)

RefSeq Size: 2159 bp

RefSeq ORF: 1992 bp

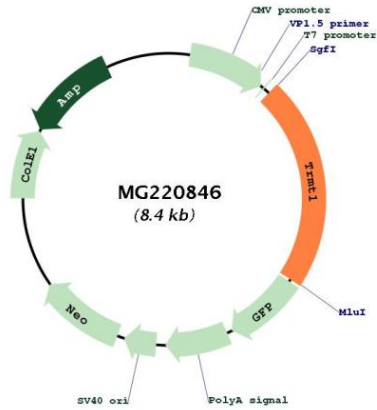
Locus ID: 212528

UniProt ID: [Q3TX08](#)

Cytogenetics: 8 41.02 cM

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 MG220846