

Product datasheet for **MR220846**

Trmt1 (NM_001164559) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trmt1 (NM_001164559) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trmt1
Synonyms:	6720406L13Rik; 6720477L24; D8Erttd812e
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>MR220846 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCCTCGCGAGGACGATCCTGTGGCTAAGCCGTCCTCTCCGTCGGGCCACAGCCTCTGTAGAGCTC
AGTTCATGGAACGGAAGGCCAGAACCTCCCTCTCCACCAGCGATGGAGAACGGCACCCGGTCCTGGGA
AGAGCGCCACCCGCGGACCCGGTTGCGACTGTACTGAGGGCGCCGAAAAATCGTCTTTCCAGTGCT
AACGAGGTTTTCTATAACCCGGTGCAGGAATCAACCGGACCTGACGTGTGCTGTGATCACAGAGTTG
CTCGAATTCATCTGGGGCCAAGGGAATCCAGATCAAGGTTCCAGGAGAGAAGGACTCAGAGAAAAAGC
TGTGGACTTGTCTGATCAAGAAGAGAAACAGCTGAAAGAATGAAAATCTGGCCCCAGGGGACTGGCCA
CGGACTGCTGCAGTGGGTGAGATCTGTGAGGAAGGTCTACGAGTGTGGAAGGCTGGCAGCTTCCGGTC
TGCGCTCCATCCGTTTTGCCCTGGAGGTTCTGGCCTCCAGTCTGTGGTTGCCAATGATGCCTCTGCCCC
GGCTGTAGAGCTTATGCACAGAAATGTGGAGCTCAATGGTGTGGCACATCTTGTTCAGCCCAACCAGGCA
GATGCCCGGATGCTGATGTACCAACACCAAAAGGCACCTGAGCGATTTGATGTCATTGACCTGGACCCT
ATGGCAGCCCCGCCCCCTTCTGGATGCAGCAGTGCAGGCTGTGAGTGTGAGGACTTCTGTGTGTAC
CTGCACAGACATGGCAGTCTGGCGGGGAACAGCGGAGAGACATGCTACAGCAAGTATGGGGCCATGGCC
CTCAAGAGCCGAGCCTGCCATGAAATGGCCCTGCGGATTTGTGCTGCACAGCCTGGACCTGCACGCCAAT
GCTACCAGCGCTATATCGTGCCGCTGCTCAGCATCAGTGTGACTTCTATATCCGGGTCTTTGTACGTGT
TTTCACAGGCCAGGCCAAGGTTAAGTCTCAGCCAGCAAAACAGGCCCTGGTGTCCAGTGTGTGGTTGT
GGAGCCTTCTACCTGCAACGCCTTGGCAAAGCATCAGGAGACCCTGGTGGCAGGATCAAGTTCTCTGCAG
CCTGTGGTCTCCAGTAACCTCCGAGTGTGAGCACTGTGGACAGAGACACCAGCTTGGGGGCCCATGTG
GGCAGAGCCCATCCATGACCTGGACTTTGTGGCCGAGTTCTTGACGCAGTGACCACGAATCCTGGCCGC
TCCACACTTCCATGAGGATCCAAGGCGTCTCAGTGTTGTTACTGAGGAACTTCTGATGTCCCTCTCT
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TCTCCTCATGCTGGTTCCGAGTCTCTCTCCCATGCTTGTAAAGATGCAGTGAAGACAGATGCTCCC
CCTGAGGCCCTCTGGGACATCATGCGTTGCTGGGAAAAGGAATGTCCAGTGAACGGGAGCGGCTGTCTG
AAAGCAGTCCAGCATTCCGAATCTTGTGTGGAGCCAGGCTGAAGGCCAATCAACATCCGGGAAGA
CGCAACCCAGTCCCAGCAGGAGGACTTAAGCGCTTCCAGGCCAATCCAGAAGCCAATGGGGTCCC
CGCCCCGTGCCGCGCCAGGGGCAAGGCAGCAAGTGAAGATCTAGCAGGAGGCGGAGGCTGCTACAGA
ATAAGAGGAAGGAGCCAGCTGAGGACCCGGCCAGCGTGCAGCTCGCCTTAAGACATTTCCCTTGCAAACG
ATTCAAAGAGGGTACCTGTCAACTAGGGGACCAGTGTGTTATTACACAGTCTGCAGCTCCTGTGGCC
TCTGGTATATCCCATCGAAGAATGTCCAGAGACTACCACCAAGATCTCCCCTGGACCAAAAGGCTGCTG
CTGGGGTATTCTGGCCAGGTGTAGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR220846 protein sequence
 Red=Cloning site Green=Tags(s)

MSLARTILWLSRPLRPAHSLCRAQFMERKAQKPPSPAMENGTRSWEERPPADPVATVTEGAAKIVFPSA
 NEVFYNPVQEFNRDLTCAVITEFARIHLGAKGIQIKVPGEKDSEKIAVDLSDQEEETAGKNENLAPGDWP
 RTAAVGEICEEGLRVLEGLAASGLRSIRFALEVPGLQSVVANDASARAVELMHRNVELNGVAHLVQPNQA
 DARMMLYQHQAPERFDVIDLDPYGGSPAPFLDAVQAVSDGGLLCVTCTDMAVLAGNSGETCYSKYGAMA
 LKSRACHEMALRIVLHSLDLHANCYQRYIVPLLSISADFYIRVFRVFTGQAKVKSSASKQALVFQCVGC
 GAFYLQRLGKASGDPGGRKIKFSAACGPPVTPECEHCGQRHQLGGPMAEPIHDLDFVGRVLDVAVTTPNPR
 FHTSMRIQGVLSVVTEELPDVPLYTLDQLSSTIHCNTPRLLQLRSALLHAGFRVSLSHACKNAVKTDAPE
 PEALWDIMRCWEKECPVKRERLSESSPAFRILAVEPRLKANFNIREANPSSRQRLKRFQANPEANWGP
 RPRARPGKAASEDLAGRRLLQNKKEPAEDPAQRAARLKTFPCKRFKEGTCQLGDQCCYSHSPAAPVA
 SGIPIIEECPETTTKISPGPKAAAGGIPGPGVD

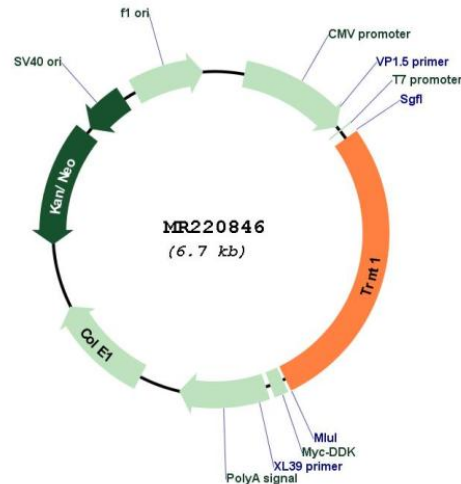
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


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 Size: 2159 bp

RefSeq ORF:	1992 bp
Locus ID:	212528
UniProt ID:	<u>Q3TX08</u>
Cytogenetics:	8 41.02 cM
MW:	72.4 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]