

Product datasheet for MR206558

Trdmt1 (NM_010067) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trdmt1 (NM_010067) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trdmt1
Synonyms:	Dnmt2; Rnmt2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206558 representing NM_010067 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAACCTCTGCGTGTCTGGAGCTGTACAGTGGCATTGGTGGCATGCACCACGCGCTGCGAGAAAGTC
ATATCCCTGCACATGTGGTGGCTGCTATTGATGTGAATACTGTTGCTAATGAAGTATACAAGCATAATTT
TCCTCACTACTCACTTACTGTCAAAGACAATTGAAGGATTTCACTGGAAGACTTTGACAAGCTATCTTTC
AATATGATTTTAAATGAGCCCTCCATGCCAGCCATTACAAGAATTGGCCTACAGGGGGATATGACCGATC
CAAGGACAACCTAGCTTCTTGATATTCTAGATATTCTCCAAGATTACAAAAATTACCCAAGTATATTCT
CTTAGAAAATGTCAAAGTTTTGAAGTATCTTCTACAAGAGGGCTGCTGATACAAACAATAGAAGCCTGT
GGCTTTCAGTATCAAGAGTTTTCTATTGTCTCCTTCTTCTAGGCATTCCAAACTCGAGGCTCCGATATT
TTCTCATTGCAAAGCTTCAGTCAGAGCCTTTCCCTTCCAGGCCCTGGCAGATACTGATGGAGTTTCC
TAAATTTGAACTGTTGAGCCACAAAAATGCAGTAGTTGAAGAAAGTCAGCCAAGAGTGCAGAGAAGT
GGACCAGTATCTGTGCTGAGAGCAGCAGCACACAGAGTTCTGGAAAAGTACCATTCTCTTTAAGCTTG
AGACTGTAGAAGAAAGGGACAGGAAACATCAACAAGACAGTGACCTCTCTGTGCAGATGCTGAAAGACTT
CCTTGAAGATGGCGACACAGATGAGTACCTTTTACCACCAAGTTATTGCTGCGATACGCTCTCTACTA
GATATCGTGAAGCCACGTCCAGAAGGTCCATGTGCTTTACGAAAGGGTATGGGAGTTACATAGAGGGGA
CAGGCTCCGTGTTACAGGCTGCAGAGGATGCGCAGATTGAGAATATCTACAAATCTTCTCCTGATTTGCC
ACCAGAAGAAAAGATAGCTAAATTTGCAATGCTTAAACTGCGATATTTACACCGAAAGAAATTGCAAAAT
CTCCAGGGATTTCTCCAGAATTTGGGTTTCTGAGAAGACAACAGTGAACAGCGTTACCGGCTGCTTG
GCAATAGCCTCAACGTGCATGTGGTAGCAAACTCCTCACAGTCTGTGTGAAGGATTTGGAAATGCCTC
TGAGAGCTGTCACAAGATGCCGTAATTCTAGATAGTAATTCCAAGATTCTATCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR206558 representing NM_010067
 Red=Cloning site Green=Tags(s)

MEPLRVLELYSGIGGMHHALRESHIPAHVVAADVNTVANEVYKHNFPHTHLLSKTIEGISLEDFDKLSF
 NMILMSPPCQPFTRIGLQGDMDPRTTSFLYILDILPRLQKLPKYILLENVKGFVSSTRGLLIQTIEAC
 GFQYQEFLLSPSSLGIPNSRLRYFLIAKLQSEPFPPQAPGQILMEFPKIVTVEPQKYAVVEESQPRVQRT
 GPRICAESSSTQSSGKDTILFKLETVEERDRKHQDSDLVQMLKDFLEDGDTDEYLLPPKLLLRALLL
 DIVKPTSRRSMCFTKGYGSYIEGTGSLVQAEDAQIENIYKSLPDLPEEKIAKLSMLKLRYPKEIAN
 LQGFPEFGFPEKTTVKQRYRLLGNLSLVHVAKLLTVLCEGFGNASESCHKMPLILDSNSKILS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_010067

ORF Size: 1245 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_010067.4](#), [NP_034197.3](#)

RefSeq Size: 2635 bp

RefSeq ORF: 1248 bp

Locus ID: 13434

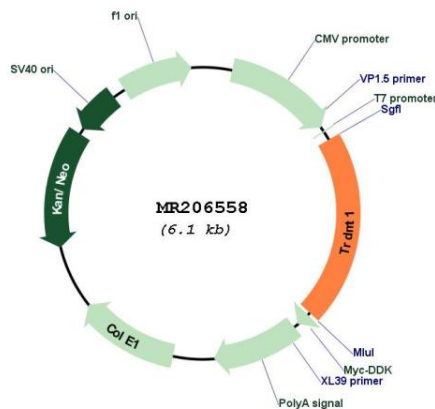
UniProt ID: [O55055](#)

Cytogenetics: 2 A1

MW: 47.2 kDa

Gene Summary: Specifically methylates cytosine 38 in the anticodon loop of tRNA(Asp).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206558