

Product datasheet for **RN210078**

Trdmt1 (NM_001031643) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trdmt1 (NM_001031643) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Trdmt1
Synonyms:	Dnmt2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN210078 representing NM_001031643 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAACCTCTGCGTGTCTGGAGCTGTACAGTGGCATTGGGGCATGCACCACGCGCTGCGAGAAAGCC
GTGTCCCTGCACATGTGGTGGCTGCTATTGACGTGAGCACTGTTGCTAACGAAGTATAACAAGCATAACT
CCCTCATACACACTTACTGGCAAAGACAATCGAAGGATTTCACTGGAAGAGTTTGACAAGCTATCTTTC
AATATGATTTTAAATGAGCCCTCCATGTCAGCCATTACAAGAATTGGCCTACAGGGGGACATGAGTGATC
GAAGGACAAATAGCTTCTTGATATTCTAGATATTCTCCAAGGTTACAGAAGTTACCCAAGTATATTCT
TTTAGAAAATGTCAAAGGTTTGAAGTTTCTTCTACAAGAGGGCTGCTGATACAAACAATGGAAGCCTGC
GGCTTTCAGTATCAAGAGTTTCTGTTGTCTCCGTCTCTAGGCATTCCAAACTCAAGGCTACGGTATT
TTCTCATTGCGAAGCTTCAGTCAGAGCCTCTGTCTTCCAGGCCCTGGCCAGATACTGATGGAGTTTCC
TAATAGTGAACAGTTTCAGCCACAAGAATATGCAGTAGTTGAAGAAGGCAAGCTGAGAGTGAGGACAAGG
GAGCCAGATGTCTGCCTTGATAGCAGCAGCACCAGTGCCTGGACAAGATAGCATTCTTTTTAAGCAGC
AGACTGCAGCAGACATTGACAGGAAGCGCCAACAGGACAGTGACCTCTGTGCAGATGCTGAAAGGTTT
CCTTGAAGATGGTGACACAGCTCAGTACCTTCTGCCAGCGAAGTCGCTGCTGCGTACGCTCTCCCTCC
GACATCGTTAAGCCACCTCCAGGAGTCCATGTGCTTCACTAAAGGGTATGGAAGTACATAGAAGGGA
CAGGCTCTGTGTTACAGACTGCAGAGGATGTGCAGATTGAGAATATCTACAAATCTTCTCCTGATTGCC
ACCAGAAGAGAAGATAGCTAAATTTGCAATGCTTAAACTGCGATATTTACACCTAAAGAAATTGCAAT
CTCCTGGGATTTCTCCAGAATTTGGGTTTCTGAGAAGACAACGGTGAAGCAGCGTTACCGGCTGCTCG
GCAACAGCCTCAACGTGCATGTCGTCTCAAAGCTCCTTACAGTCTGTGTGAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Chromatograms:	https://cdn.origene.com/chromatograms/ja3243_a04.zip
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001031643
Insert Size:	1176 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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_001031643.1 , NP_001026813.1
RefSeq Size:	1536 bp
RefSeq ORF:	1176 bp
Locus ID:	291324
UniProt ID:	Q4G073
Cytogenetics:	17q12.3
Gene Summary:	Specifically methylates cytosine 38 in the anticodon loop of tRNA(Asp).[UniProtKB/Swiss-Prot Function]