

Product datasheet for **RR207226**

Trmt5 (NM_001108713) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trmt5 (NM_001108713) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trmt5
Synonyms:	RGD1306567
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR207226 representing NM_001108713
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGCCAGAAGCGGAAGCAAGCGTGAGAGATAGGGAGTTGTTTTACCACCCTCTGATGTTGAGGAATGA
 CAAAACCTTGATAGAACAGCTTTTAAAAAGACAGTGCCCATCCCCGTGCTTAAGGCGAGGAAAGAAGTAGT
 CAGCAGATTGATGCGAGCCCTCAGGAGAGTAGCGCTGCAGCGCCCGGCATAAAGCGAGTGATTGAGGAC
 CCCAAGGATGAAGACAGTAGGCTGATCATGTTGGATCCCTACAGAATGCTTACCAGTGATTCTTTGAGA
 AACCAAGACTCAGTGCTTTAAAAGAACTTGATGTCAACCCACAGTTATCACAGTACAACCTGGAACCTCAC
 ATATGAAAATTTAAGTCAGAAGAAATTTGAGAGCTGTGCTTCCCTGAGGGTCAAGATGTGACCTCTGGA
 TTCAGCAGAGTTGGACATATTGCACACCTGAATCTCCGAGATCATCAGCTGCCGTTCAAGCATTTAATTG
 GCCAAGTTATGGTTGACAAAAACCCAGGAATCACCTCAGCAGTAAATAAAACCAGCAACATTGACAATAC
 TTATCGAAATTTCCAAATGGAAGTGCTGTGTGGAGAGGAGAATATGCTGACCAAGTTTCGAGAAAACAAC
 TACACATATGAGTTTGATTTCTCAAAGTCTACTGGAATCCTCGTCTCTTACCGAACATGGCCGGATCA
 CTGAACCTCTCAACCCTGGAGATGTCTTGTTCGATGTTTTGCTGGGGTGGGCCCTTTGCCATTCGGGC
 AGCAAGGAAAACTGCACAGTGTGGCCACGATCTCAACCCCGAGTCCCACAGATGGTGCTGCACAAC
 TGTAAGCTGAATAAAGTTGACCAGAAAGTAAAAGTCTTTAACATGGATGGAAAAGACTTCTCCAAGGGC
 CAGTGAGAGAAGAGTTAATGCTTCGGCTAGGACTGTCAACTGAAGGAAAGCCCTCTCCACATTGTCAT
 GAACCTGGCAGCTAAGGCCATCGAGTTTCTCAGTGTTCAGATCCCTTTGGATGGGCAGCCGTGCAGC
 ACAGAGCGCCTACCCATAGTGCCTGTTACTGCTTCTCAAAGATAGCGACCTGCTAAGGATGCTCGCC
 AGCCGGCAGAAGCTGTGCTGGCGTTTGTGGAGGCCAGTAGTTCAGTTCACCTCGTAAGGAAACGTGGC
 CCCTAACCAAGGAGATGCTGTGCATCACCTTCCAGATTCCCACTGCTACACTCTACAGGGACCAAGCCCTC
 GGTCTACAGAATGACCAAGAGCCGCTCTTAAACGGCAGAAGACAGGTGAGCCCTTCTCAGGAGAGCCCC
 AGAGCGCATCAGATTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR207226 representing NM_001108713
 Red=Cloning site Green=Tags(s)

MPEAEASVRDRELFSPPSDVRGMTKLDRTAFKKTVPVLPVKARKEVVSRLMRALRRVALQRPGIKRVIED
 PKDEDSRLIMLDPYRMLTSDSFEKPELSALKELDVNPQLSQYNLELTYENFKSEEILRAVLPEGQDVTSG
 FSRVGHIAHLNLRDHQLPFKHLIGQVMVDKNPGITSAVNKTSNIDNTYRNFQMEVLCGEENMLTKVRENN
 YTYEFDKSKVYWNPRLSTEHGRITELLNPGDVLFDVFAVGPFPAIPAARKNCTVFANDLNPESHRWLLHN
 CKLNKVDQKVKVFNMDGKDFLQGPVREELMLRLGLSTEGKPSLHIVMNLPAKAIIEFLSVFRSLLDGQPCS
 TERLPIVHCYCFSKSDPAKDARQRAEAVLGVCLEASSSVHLVRNVAPNKEMLCITFQIPTATLYRDQAL
 GLQNDQEPPLKRQKTGEPFSGEPQSASDS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

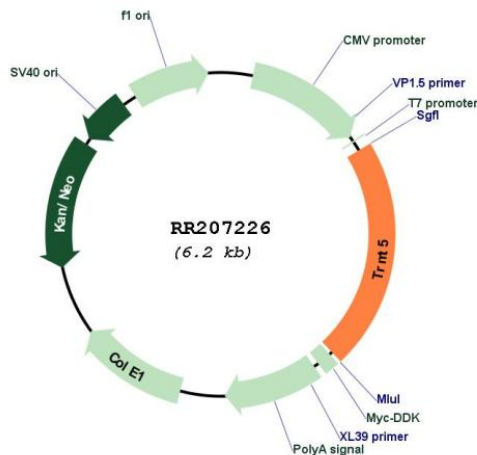
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001108713

ORF Size: 1347 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_001108713.1](#), [NP_001102183.1](#)

RefSeq Size: 2161 bp

RefSeq ORF: 1350 bp

Locus ID: 362754

Cytogenetics: 6q24

MW: 50.8 kDa