

Product datasheet for **RC203720**

TRMT9B (NM_020844) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRMT9B (NM_020844) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TRMT9B
Synonyms:	C8orf79; hTRM9L; KIAA1456; TRM9L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC203720 representing NM_020844
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATCATGAAGCCGCCAGCTGGAGAAGCAGCATGTGCACAATGTGTACGAGAGCACAGCCCCTTACT
 TCAGCGACTGCAGAGCAAAGCCTGGCCTCGTGTCCGCCAGTTCCCTGCAAGAGCAGAAGCCAGGCAGCCT
 CATCGCTGACATAGTTGTGGGACTGGAAAATATCTTAAAGTGAACAGCCAGGTACATACCGTGGGCTGT
 GACTACTGTGGGCCACTGGTAGAGATTGCCCGAATAGAGGATGTGAAGCCATGGTATGTGACAACCTTA
 ATCTCCCTTTAGGGATGAGGGCTTCGATGCCATCATCTCCATAGGAGTCATACATATTTTTCTACAAA
 ACAAAGAAGAATCAGAGCAATAAAAGAAATGGCCAGGGTCTTAGTTCGGGAGGCCAACTGATGATTTAC
 GTTTGGCAATGGAACAAAAGAACCCTCGCTTTGAGAAGCAAGACGTGCTTGTCCATGGAACAGGGCCC
 TGTGTTCCAGCTCTTCTCAGAGTCCAGCCAGTCTGGGAGGAAGAGGCAGTGTGGATACCGAAAAGAGG
 CCATCCCTACCATCCTCCTTGTCTGAGTGTAGCTGTTCTGTTTGTAAAGAGCAGGGTGGTTCAAAA
 CGGTCCCACAGTGTGGGCTATGAACCTGCTATGGCAAGAACCTGTTTGCAAATATTTCTAAGGAAGGCG
 AGGAAGAATATGGATTTACAGCACATTAGGAAAATCGTTTTCGTTCTCGTGTCTCCAGATCTTTGGA
 TGAATCGACTCTGAGGAAGCAAATTGAAAGAGTAAAGCCCTTGAAAAACACAGAAGTTTGGGCCAGTAGC
 ACTGTAACAGTCCAGCCTTCCAGACACTTAGTCTAGACTTTGATCACCAGAGCCATTTTCAACAAAAG
 AGCAAAGTTTAGATGAGGAAGTGTGTGGAACTTCTTCTGGAAAACACTTGGAGTGGCTGAGAGCACC
 AGGCACCTGAAACATTTAAATGGAGACCATCAAGGGGAAATGAGGAGAAATGGAGGGGAAATTTCTG
 GATAGCACTAATACTGGTGTGAATTGTGTGGATGCAGGCAACATAGAAGATGATAATCCTTCTGCTAGTA
 AAATATTGAGAAGGATTTCTGCAGTCGATTCACAGATTTCAACCAGATGATAACAATGTCTGCGAAGA
 TCCACAGACTGATGTTTTGGACTCCACAGCCTTTATGCGCTACTACCATGTGTTTCGAGAAGGGGAGCTC
 TGCACTGCTCAAGGAGAATGTGTCAGAGCTCCGTATCCTGAGTCTGGGAATGATCATGGTAACTGGT
 GTATCATTGCAGAGAAAAAGAGAGGTTGTGAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC203720 representing NM_020844
 Red=Cloning site Green=Tags(s)

MDHEAAQLEKQHVHNVYESTAPYFSDLQSKAWPRVRQFLQEKPGLIADIGCGTGKYLKVNVSQVHTVGC
 DYCGPLVEIARNRGCEAMVCDNLNLPFRDEGFDAIISIGVIHHFSTKQRRIRAIKEMARVLVPGGQLMIY
 VWAMEQKNRRFEKQDVLVPWNRALCSQLFSESSQSGRKRQCGYPERGHPYHPPCSECSVCVCFKEQGGSK
 RSHSVGYEPAMARTCFANISKEGEEYGFYSTLGKSFWSFFSRSLDESTLRKQIERVRLKNTVEWASS
 TVTVQPSRHSLLDFDHQEPFSTKEQSLDEEVFVESSSGKHEWLRAPGTLKHLNGDHQEMRRNGGNFL
 DSTNTGVNVDAGNIEDNPSASKILRRIASVDSTDFNPDDTMSVEDPQTDVLDSTAFMRYHYHVFREGEL
 CSLLKENVSELRISSGNDHGNWCIIAEKRGCD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mg4251_g07.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_020844

ORF Size: 1362 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

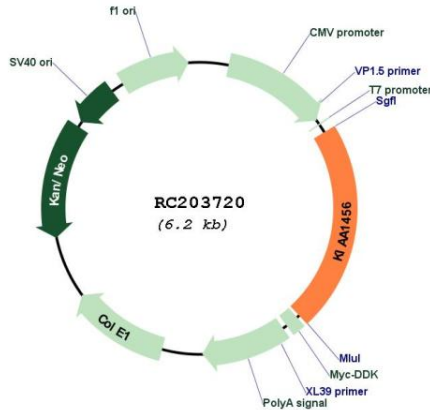
RefSeq: [NM_020844.2](#), [NP_065895.2](#)

RefSeq Size: 9603 bp

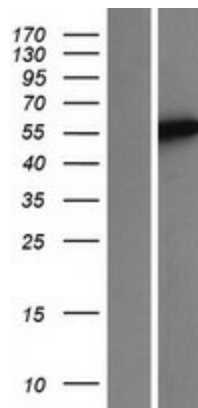
RefSeq ORF: 1365 bp

Locus ID: 57604

UniProt ID: [Q9P272](#)
Cytogenetics: 8p22
Protein Families: Druggable Genome
MW: 51.1 kDa
Gene Summary: May modify wobble uridines in specific arginine and glutamic acid tRNAs. Acts as a tumor suppressor by promoting the expression of LIN9.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for RC203720



Western blot validation of overexpression lysate (Cat# [LY412265]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203720 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).