

Product datasheet for **MR202863**

Trmt11 (BC048703) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trmt11 (BC048703) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trmt11
Synonyms:	2410075D05Rik; 3110045I18Rik; AW213713
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202863 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGTGGCCTCCTTATAGCATCTGCTCACTTTGGTGCATATGTGTGGGACAGACATAGACTACAATA
CAGTTCATGGCTTGGGAAAGGCTAGTAGAAAAACCAGAAATGGCGTGGACCAGATGAAAACATCAGGGC
AAATCTTCGTAGTATGGCTTAGAGAAGTTTTACCTTGATGTCTTGGTTTCAGATGCGTCTAAGCCTTCC
TGGAGGAAGGGAACATATTTTGATGCAATCATCACAGATCCTCCATATGGTATCAGAGAATCTACAAGAA
GATCAGGTTACAGAAGGACATACCAAAGGGAATAGAAAAATGTCCAGAAAGCCACGTTCTGTTTCCTT
GAGTTATCACCTGAGTGACATGTTTTTTGACCTGTAAATTTTGCAGCTGAGACCCTTGTACTGGGTGGA
AGACTAGTCTATTGGCTACCAATATATACACCAGAGTACACTGAGGAGATGGTGCCGTGGCACCCCTTGCC
TGACTCATTAGCAACTGTGAACAGAAGCTTTCCAGTCACACAGCAAGGCGCCTGATCACCATGGAAAA
GGTGAAGGAATTTGAGAACCGGGACAAGTATTCACACCTGCTGAGTGATCATTCTGCCGTACCAAGGA
CATAATTCTTTCCGTGAGAAATATTTTAGTGGTGAACAAAAAGAATTGCCAAGGAAGAAAAATGCAGCC
ACGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR202863 protein sequence
 Red=Cloning site Green=Tags(s)

MGLLIASAHFGAYVCGTDIDYNTVHGLGKASRKNQKWRGPDENIRANLRQYGLEKFYLDVLVSDASKPS
 WRKGTYFDAIITDPPYGIESTRRSGSQKDIPKGIKCPESHVPVSLSYHLSDMFFDLLNFAAETLVGG
 RLVYWL P V Y T P E Y T E E M V P W H P C L R L I S N C E Q K L S S H T A R R L I T M E K V K E F E N R D K Y S H L L S D H F L P Y Q G
 HNSFREKYFSGVTKRIAKEEKCSHE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC048703

ORF Size: 705 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: [BC048703](#), [AAH48703](#)

RefSeq Size: 1574 bp

RefSeq ORF: 707 bp

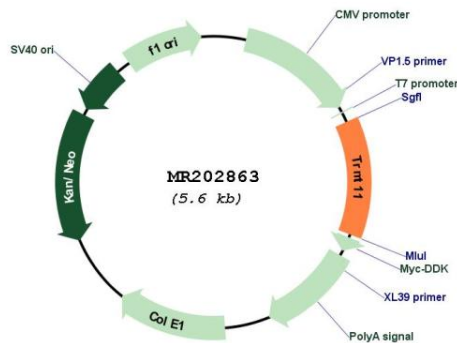
Locus ID: 73681

Cytogenetics: 10 A4

MW: 27.1 kDa

Gene Summary: Catalytic subunit of an S-adenosyl-L-methionine-dependent tRNA methyltransferase complex that mediates the methylation of the guanosine nucleotide at position 10 (m2G10) in tRNAs. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202863