

Product datasheet for **MR219051**

Trmt2b (NM_001167995) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Trmt2b (NM_001167995) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Trmt2b
Synonyms: 4732479N06Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR219051 representing NM_001167995
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCACAACCCAAGACTATTCTTTCCAGAGCGGGTTTCTTCTCAAACCAAGGACTGCTTCCTGGGATA
CTGGAAGACCACCAGATTTGTACAGTCCTTATTGGGCAGAGCATATAAAGGGAGTTTCACCAGCGTGAT
AGCTAAGAAGCACCCAAGCAGACAAAAATATCAGAAGAAACAAAGGCATTGTAGAGATGACTCCTGGCAG
GAGAGGCTGGCTGATGTTGTGACTCCACTCTGGAGGCTGAGTTATGAAGCACAACCTCAAGCCTACCACCA
CTGGCTACCGGAACAAGTCCACCTTTTCTGTGTACAGGAGCCAGATGGCAATCCAAAGACTGTGGGCTA
CTACCTAGGAACCTGAAAGGTCAGTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR219051 representing NM_001167995
Red=Cloning site **Green**=Tags(s)

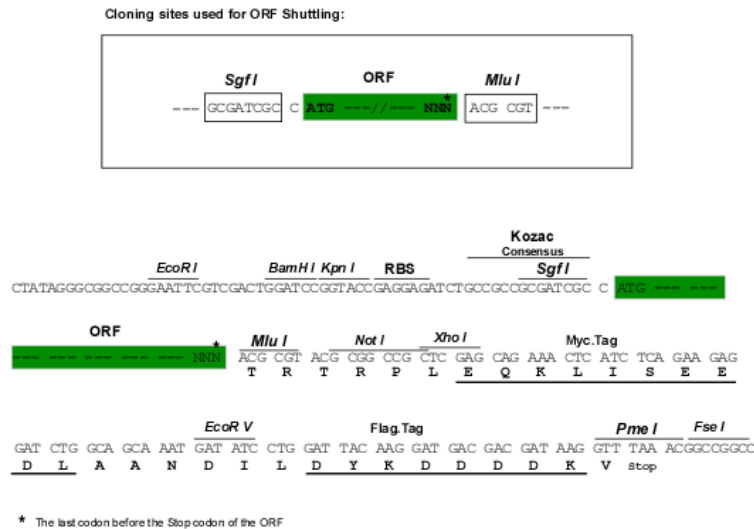
MHNPRFLSRAGFFSKPGLLPWDTGRPPDLSQSLLGRAYKGSFTSVIAKKHPSRQKYQKKQRHCRDDSWQ
ERLADVVTPLWRLSYEAQLKPTTTGYRNKSTFSVYRSPDGNPKTVGYLGTWKGQF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_001167995

ORF Size: 378 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.

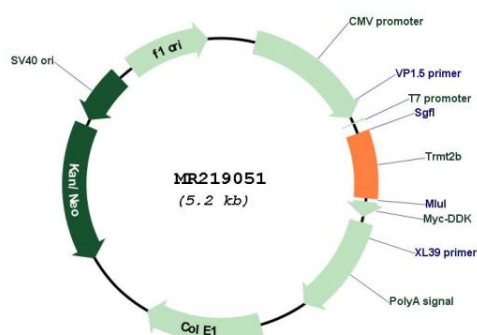
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001167995.1](#), [NP_001161467.1](#)

RefSeq Size: 843 bp

RefSeq ORF:	381 bp
Locus ID:	215201
Cytogenetics:	X E3
MW:	15 kDa
Gene Summary:	Probable S-adenosyl-L-methionine-dependent methyltransferase that catalyzes the formation of 5-methyl-uridine at position 54 (m5U54) in all tRNA. May also have a role in tRNA stabilization or maturation (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR219051