

Product datasheet for **SC334633**

RG9MTD3 (TRMT10B) (NM_001286952) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RG9MTD3 (TRMT10B) (NM_001286952) Human Untagged Clone
Tag:	Tag Free
Symbol:	RG9MTD3
Synonyms:	bA3J10.9; RG9MTD3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001286952, the custom clone sequence may differ by one or more nucleotides

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ATGGA CTGGAAATTGGAAGGGAGTACTCAGAAAGTAGAGTCACCTGTGCTGCAGGGGCAAGAAGGCATCC  
TAGAGGAGACAGGTGAAGATGGACTTCCTGAAGGCTTCCAGCTTCTGCAGATCGATGCGGAAGGCGAGTG  
CCAGGAGGGAGAGATCCTGGCCACAGGCAGTACGGCATGGTGCTCGGAATTAAGTAGACTGGCTGGACAG  
ATTCGAAGGTTGTATGGTTCAAACAAAAAGCTGACAGGCCATTTTGGATCTGCCTCACTGGATTACAA  
CAGACAGTCCCCTTATGAAGAGTGTGTGAGGATGAATGATGGATTTCTAGTTACCTGTTAGACATAAC  
AGAAGAAGACTGCTTTAGTTTATTTCCCTTGGAAACCCTTGTGTACCTGACTCCTGACTCAGAACACGCT  
CTTGAAGATGTTGATCTAAACAAAGTTTACATCCTCGGTGGGCTTGTGGATGAAAGCATTGAGAAGAAGG  
TGACATTTCAAAGGCCCGGAATACTCTGTCAAGACCGCAGCTTGCCAATCCAGGAATACATGGTCAG  
AAACCAGAAATGGGAAAACTATCATTGAGAGACTGGCCATCAATCAAGAGACTCACAACCTGGCCTGAA  
GCATTGAAGAAAGGAGTTTCTTCAGGAAAAGGCTATATTCTTCGGAACCTCAGTGGAATGA
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001286952
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).



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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_001286952.1](#), [NP_001273881.1](#)

RefSeq Size: 2049 bp

RefSeq ORF: 690 bp

Locus ID: 158234

UniProt ID: [Q6PF06](#)

Cytogenetics: 9p13.2

Gene Summary: S-adenosyl-L-methionine-dependent guanine N(1)-methyltransferase that catalyzes the formation of N(1)-methylguanine at position 9 (m1G9) in tRNAs (PubMed:23042678). Probably not able to catalyze formation of N(1)-methyladenine at position 9 (m1A9) in tRNAs (PubMed:23042678).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (4) lacks two alternate exons that result in the loss of an in-frame segment in the 5' coding region, and it uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. The encoded isoform (d) is shorter than isoform a.