

Product datasheet for **SC334376**

RG9MTD3 (TRMT10B) (NM_001286954) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RG9MTD3 (TRMT10B) (NM_001286954) 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_001286954, the custom clone sequence may differ by one or more nucleotides

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ATGGTGCTCGAAAAATGTCCAGAGAAAACAGAGACACTGGGAAAAGATAGTTGCAGCAAAGAAGAGCAAA  
AGAAAGCAAGAAAAAGAACGAAGAAAAGCCAATCGTGCAGAAAATCCAGGCATTTGCCCCAGCACAGCA  
AACGTTTCCTGAGAGCTCTAACCAAGACAAAATTTTGGAAAGCCAAACACTCAGGACCAAGACTATGTAT  
CGATTTGAGTATGACCCACTACATGTCAAAGAAGACATAACAGAAGAAGACTGCTTTAGTTTATTTCCCT  
TGGAAACCCTTGTGTACCTGACTCCTGACTCAGAACACGCTCTTGAAGATGTTGATCTAAACAAAGTTTA  
CATCCTCGGTGGGCTTGTGGATGAAAGCATTTCAGAAGAAGGTGACATTTCAAAGGCCCGGAATACTCT  
GTCAAGACCGCAGCTTGCCAATCCAGGAATACATGGTCAGAAACCAGAATGGGAAAAACTATCATTGAG  
AGATACTGGCCATCAATCAAGAGACTCACAACCTGGCCTGAAGCATTGAAGAAAGGAGTTTCTTCAGGAAA  
AGGCTATATTCTTCGGAACCTCAGTGAATGA
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001286954
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).



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_001286954.1](#), [NP_001273883.1](#)

RefSeq Size: 2126 bp

RefSeq ORF: 591 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 (6) lacks an exon and uses an alternate splice site in the central region, and it thus differs in its 5' UTR and initiates translation from an alternate start codon, and it uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. The encoded isoform (f) has a distinct N-terminus and is shorter than isoform a.