

Product datasheet for **SC125675**

RG9MTD3 (TRMT10B) (NM_144964) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RG9MTD3 (TRMT10B) (NM_144964) Human Untagged Clone
Tag:	Tag Free
Symbol:	RG9MTD3
Synonyms:	bA3J10.9; RG9MTD3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_144964 edited
GCGCGCCGCTGCCGCTGCGTGGGGTGAGGGGATCAGTCTGGTGGAAAGGACAGAGGACT
AAGTCCATGGACTGGAAATTGGAAGGGAGTACTCAGAAAGTAGAGTCCCTGTGCTGCAG
GGGCAAGAAGGCATCCTAGAGGAGACAGGTGAAGATGGACTTCCTGAAGGCTTCCAGCTT
CTGCAGATCGATGCGGAAGGCGAGTGCCAGGAGGAGAGATCCTGGCCACAGGCAGTACG
GCATGGTCTCGAAAAATGTCCAGAGAAAAACAGAGACTGGGAAAAGATAGTTGCAGCA
AAGAAGAGCAAAAAGCAAGAAAAAGAACGAAGAAAAGCCAATCGTGCAGAAAATCCA
GGCATTGGCCCCAGCACAGCAAACGTTTCTGAGAGCTTAACCAAAGACAAAATTTTG
GAAGCCAAACACTCAGGACCAAGACTATGTATCGATTTGAGTATGACCCACTACATGTCA
AAGAAGGAATTAAGTAGACTGGCTGGACAGATTCGAAGGTTGTATGGTTCAAACAAAAA
GCTGACAGGCCATTTTGGATCTGCCTCACTGGATTCACAACAGACAGTCCCTTTATGAA
GAGTGTGTGAGGATGAATGATGGATTTTCTAGTTACCTGTTAGACATAACAGAAGAAGAC
TGCTTTAGTTTATTTCCCTTGGAAACCCTTGTGTACCTGACTCCTGACTCAGAACACGCT
CTTGAAGATGTTGATCTAAACAAAGTTTACATCCTCGGTGGGCTTGTGGATGAAAGCATT
CAGAAGAAGGTGACATTTCAAAGGCCCGGAATACTCTGTCAAGACCGCAGCCTTGCCA
ATCCAGGAATACATGGTCAGAAACCAGAATGGGAAAAACTATCATTACAGAGATACTGGCC
ATCAATCAAGTGTGATATCCTGTCCACTTACTTAGAGACTCACAACCTGGCCTGAAGCA
TTGAAGAAAGGAGTTTCTTCAGGAAAAGGCTATATTCTTCGGAACACTAGTGAATGATGG
GCCTAAGATTGCAGCTGCGTGGCCAGGTGCTCACGCCGTAATGCCAACACTTTGGTAGAC
CGAAGTGGGCAGATCACCTGAGGTGAGGAGTTCACGACCGCCTGGCCAACATGGTGAAA
CCCTTCTACTGAAAATACAAAAATTAGCCAGGTGTGGTGGCGCATACCTGTAGTCCCA
GCTACTTGGGAGGCTGAGGCAGGAGAATCACTTGAACCTGGGAGGCGAAGGTTGCAGTGA
GCCGAGATTTACCAGTGCCTCCAGCCTGGGTGACAGAGCAAGACTCCATCTCAAAAAA
AAAAATAAATAAAAAAAATGCAGCTGCAAAAAAAAAAAAAAAAAAAAAAAAAAGAAAAAAAAA
AAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_144964 unedited NGGGTCANATATTGTATACGACTCATATAGGCGGCCGCATAAATTCGTATAGCATACATT ATACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTGAGCTCTAGCGAGG TGACAGCGTAGAACAGGCGCCGCTGCCGCTGCGTGGGGGTGAGGGGATCAGTCTGGT GGAAGGACAGAGGACTAAGTCCATGGACTGGAAATTGGAAGGGAGTACTCAGAAAGTAG AGTCACCTGTGCTGCAGGGCAAGAAGGCATCTAGAGGAGACAGGTGAAGATGGACTTC CTGAAGGCTTCCAGCTTCTGCAGATCGATGCGGAAGCGAGTGCCAGGAGGGAGAGATCC TGGCCACAGGCAGTACGGCATGGTGCTCGAAAAATGTCCAGAGAAAACAGAGACTGGG AAAAGATAGTTGCAGCAAAGAAGAGCAAAAGAAAAGCAAGAAAAAGAACGAGAAAAGCCA ATCGTGCAGAAAATCCAGGCATTTGCCCCAGCACAGCAAACGTTTCTGAGAGCTCTAA CCAAAGACAAACTTTTGAAGCCAAACACTCAGGACCAAGACTATGTATCGATTTGAGTA TGACCCACTACATGTCAAAGAAGGAATTAAGTAGACTGGCTGGACAGATTCGAAGTTGT ATGGTTCANACAAAAAGCTGACAGGCCATTTTGGATCTGCCTCACTGGATTCAACAACAG ACAGTCCCCTTTATGAAGAGTGTGTGAAGATGAATGATGGATTTTCTAGTTACCTGTTAN GACATACAGAAGAAGACTGCTTTAGTTTATTTCCCTTGAACCTTGTGTACCTGACTC CTGACTCAGACACGCTTGAAGATGTTTATCTAAACAAGTTACATCCCTCGTGGGCTT GTGGATGAAAGCT
Restriction Sites:	NotI-NotI
ACCN:	NM_144964
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:	<ol style="list-style-type: none"> 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:	<u>NM_144964.1</u> , <u>NP_659401.1</u>
RefSeq Size:	1828 bp
RefSeq ORF:	960 bp
Locus ID:	158234
UniProt ID:	<u>Q6PF06</u>
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 (1) encodes the longest isoform (a).