

Product datasheet for **SC127692**

RG9MTD2 (TRMT10A) (NM_152292) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RG9MTD2 (TRMT10A) (NM_152292) Human Untagged Clone
Tag:	Tag Free
Symbol:	RG9MTD2
Synonyms:	HEL-S-88; MSSGM; MSSGM1; RG9MTD2; TRM10
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127692 sequence for NM_152292 edited (data generated by NextGen Sequencing)

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ATGTCATCTGAAATGTTGCCAGCATTATTGAACTTCTAATGTTGACAAAAAGCAAGGC
ATAAATGAAGATCAAGAGGAGAGCCAGAAGCCAAGATTAGGTGAAGGGTGTGAACCAATA
TCTAAACGACAAATGAAAAAACTAATAAAACAGAAACAATGGGAAGAGCAACGGGAACTC
CGCAAAACAAAAGCGAAAAGAAAAACGCAAGAGGAAAAAATTAGAGCGACAATGTCAAATG
GAACCAAACCTCAGATGGACATGACAGAAAACGTGTTGGAAGAGATGTTGTTTCATAGCACC
CTTCGCCTTATTATTGACTGTAGTTTTGATCACTTGATGGTATTAAGGACATTAAGAAA
CTTCATAAGCAGATTCAACGATGTTACGCAGAAAACCGACGGGCACTGCATCCTGTGCAG
TTTTACTTGACAAGCCACGGAGGCCAGCTGAAAAAGAACATGGATGAAAATGACAAAGGA
TGGGTCAACTGGAAGGATATCCATATCAAACCAGAGCACTATAGTGAACCTATAAAGAAA
GAAGACCTGATTTACCTTACGTCAGATTACCTAATATACTGAAGGAATTAGATGAATCA
AAGGCCTATGTGATTGGAGGATTAGTAGATCACACCATCACAAAGGGACTCACATATAAA
CAAGCGTCAGATTATGGAATCAATCATGCACAGCTCCCACTTGGAAATTTTGTGAAGATG
AATAGTCGAAAAGTTTTGGCAGTTAATCATGTGTTTGAATTTCTGGAATACCTGGAA
ACAAGAGACTGGCAAGAAGCATTTTTACTATCTTGCCCCAACGGAAAGGAGCTGTTCCC
ACAGACAAAGCCTGTGAAAGTGCTTCTCATGACAATCAGTCTGTCAGGATGGAGGAAGGT
GGATCGGACAGTGATTCCAGTGAGGAGGAATATAGCAGAAATGAAGTACTAGATTACCACAT
GAAGAAAAGCAGGATAAGGAAAATCACACTGAATCTACAGTGAACCTCTGCCACACTAA
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Clone variation with respect to NM_152292.4



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5' Read Nucleotide Sequence: >OriGene 5' read for NM_152292 unedited
 CCGCGAATTCGGCACCAGCTGAAATGCGTTTGCTGGCTGGGAGCCTAGAAGGGATAGTGG
 GCGAGGCTCCGCCCGTGGTGGGGCGCTTCCGTCGGCGTGTGTTTTGGGGTTGCCATCG
 GCCCGTAGTATGTGAAAATTGTTTTTTCAGAGGCACCAAATAATGTCATCTGAAATGTTGC
 CAGCATTTATTGAAACTTCTAATGTTGACAAAAAGCAAGGCATAAATGAAGATCAAGAGG
 AGAGCCAGAAGCCAAGATTAGGTGAAGGGTGTGAACCAATATCTAAACGACAAATGAAAA
 AACTAATAAAACAGAAACAATGGGAAGAGCAACGGGAACCCGCAAAACAAAAGCGAAAAG
 AAAAAACGCAAGAGGAAAAAATTAGAGCGACAATGTCAAATGGAACCAAACTCAGATGGAC
 ATGACAGAAAACGTGTTGGAAGAGATGTTGTTTCATAGCACCCCTTCGCCTTATTATTGACT
 GTAGTTTTGATCACTTGATGGTATTAAAGGACATTAAGAACTTCATAAGCAGATTCAAC
 GATGTTACGCAGAAAACCGACGGGCACTGCATCCTGTGCAGTTTTACTTGACAAGCCACG
 GAGGCCAGCTGANAAAGAACATGGATGANNAATGACAAGGATGGGTCAACTGGAAGGATA
 TCCATATCANACCAGAGCACTATAGTGAACCTATAAAGAAGAGACCCTGATTACCTACGT
 CAGATCACCTAATTACTGAAGGAATAA

3' Read Nucleotide Sequence: >OriGene 3' read for NM_152292 unedited
 CCCCCCCCCNCCCCCCCCCCCCNNANACCACCCCTTACTTAGCACGCGGCCGCA
 TCTANATTTTTTTTTTTTTTTTTTCTTTTTTCGAGCGTTTATTTAGGTAGTTAATTCTCTA
 CTTTTATTATGTTCTAATAACAAGTAACTTTAGTATTTACTGAAGTTTTAACAAATAACCT
 AAATAAACCAAAACAATGTTGAGAGAAAAGTATACATGCAAATGAGCAAAAAGCTTAATA
 TTTTTAAACCAATTTTTAAATACCTCACAACTAGTTATATCAAAAGAGGTAGTAATC
 TTCACCTCTTGCCACCAACATCCTAGATACGATATGGGCCTGTAGTGGGTATAATTGCG
 TCCCCAAAAGCATCCTGTCAAATCCTAACACATGGCACCCCTGCAAATGCCACCCTATTC
 GTACACAGGGTCTTTGCTGATGTACCAACACAGGTCCTACTGCATCATGGCGAACTTTA
 CTCCCCTTTGGCCTAACTACATCCATATCTCCCCCCCCCTCTCCACCCCCACCTCGCC
 TCCCCTACTCCCTCTTCCCTTCCCTTTTTATTGCTTACCCCTACCCTACTCCTTACACC
 CCCCATGACCATCCCCCCCACCATTACACCCCCCGTTCCCTCCCCCGCTCCCCCCCCCT
 CCACCCCCCTCTTCCCCCCCCCTCCCTCATCCCTCCCCCCCCACTTTCCTTCCACCC
 GCTCTCCCCCCCCCGTCCACTCTCTCCCCCCTCCCCCCTCCCCCCTTCCCTCC
 TCCTCTCCTCCCCCCCCCTCCGAAACTCTAACTCCCTCCTACGTTTATCACTTTTTTT
 CCTCCCCCCCCCGTCTTCTTTCCAATACACACTTACACTTCGTATCCCCCCTTTTTTC
 CCCTTCTACCTTCTCCCCCCCCCTCCCCCCCCGCTTCTTC

Restriction Sites: NotI-NotI

ACCN: NM_152292

Insert Size: 3410 bp

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_152292.2 , NP_689505.1
RefSeq Size:	3711 bp
RefSeq ORF:	1020 bp
Locus ID:	93587
UniProt ID:	Q8TBZ6
Cytogenetics:	4q23
Domains:	DUF425
Gene Summary:	<p>This gene encodes a protein that belongs to the tRNA (Guanine-1)-methyltransferase family. A similar gene in yeast modifies several different tRNA species. Mutations in this gene are associated with microcephaly, short stature, and impaired glucose metabolism. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]</p> <p>Transcript Variant: This variant (1) represents the longest transcript. All three variants encode the same protein.</p>