

## Product datasheet for **RC227256**

### TRM1 (TRMT1) (NM\_001136035) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TRM1 (TRMT1) (NM_001136035) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TRM1
Synonyms:	MRT68; TRM1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide  
Sequence:**

>RC227256 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCAAGGATCGTCTCTGTGGCTAAGCCTCACTTCCGCTCCGCCGGGTGCTCTCTAGAGCCCGGTTTT  
 TCGAGTGGCAGTCTCCAGGGCTGCCGAATACAGCAGCGATGGAGAACGGCACCGGCCCTACGGAGAAGA  
 ACGTCCACGTGAAGTCCAGGAGACGACAGTCCAGGAGGGGCTGCCAAAATCGCCTTTCCAGTGCCAAAC  
 GAGGTCTTTTATAACCCGGTGCAGGAATTAATCGGGACCTGACATGTGCTGTGATCACCGAGTTTGCTC  
 GCATTCAGCTTGGGGCCAAAGGAATCCAGATCAAGGTTCCAGGAGAGAAGGACACGCAAAAAGTGGTCGT  
 GGACTTGTGAGCAAGAGGAGGAAAAGGTTGAACTGAAAGAGAGTGAAAACCTGGCCTCAGGAGACCAA  
 CCTCGCACAGCGCCGTGGGGGAGATCTGTGAGGAAGGCTGCATGTGCTGGAAGGCTGGCAGCTTCAG  
 GCCTACGTTCCATTTCGATTTGCCCTAGAGGTGCCTGGGCTCAGATCTGTGGTTGCAAACGATGCCTCCAC  
 CCGGGCTGTGGATCTCATACGCCGAATGTCCAGCTCAATGACGTGGCCACCTGGTACAGCCGAGCCAA  
 GCAGATGCCCGGATGCTGATGTACCAGCACAGAGGGTGTGCGAGAGGTTTGACGTCATCGATCTGGACC  
 CCTATGGCAGCCAGCCACCTTCTGGATGCAGCTGTGCAGGCTGTGAGTGAAGGAGGGTTGCTGTGTGT  
 GACCTGCACAGACATGGCGGTGTTGGCGGGGAACAGCGGGGAGACGTGCTACAGCAAGTACGGGGCCATG  
 GCCCTCAAGAGCCGGGCTGCCACGAGATGGCCCTGAGAAATCGTCTGCACAGCTGGACCTCCGCGCCA  
 ACTGCTACCAGCGCTTCGTGGTGGCGTCTCAGCATCAGCGTGACTTCTACGTGCGTGTTTTTGTCCG  
 TGTCTTACCAGCCAGGCCAAGGTCAAGGCTCAGCCAGCAAGCAGGCGCTGGTGTTCAGTGTGTGGGC  
 TCGGGGCTTCCACCTCAGCGTCTCGCAAAGCGTCAGGAGTCCCCAGCGCCGGGCCAAGTTCTCTG  
 CAGCCTGTGGTCCCCCTGTGACCCCGAGTGTGAACACTGTGGCAACGACACCAGCTTGGTGGCCCCAT  
 GTGGGCAGAGCCCATCCATGACCTGGATTTGTGGCCGTGTCTGGAGGCTGTGAGCGCTAACCCCGGC  
 CGTTCCACACCTCGGAGCGGATCCGAGGGTCTGAGCGTCATCACTGAGGAGTCCCAGGAGTGCCTC  
 TGTACTACACCCTGGACCAGCTGAGCAGCACCATCCACTGCAACACACCAAGCCTCCTGCAGTTGCGGT  
 GGCCCTCCTCCACGCTGACTTCCGGTCTCACTCTCCACGCCTGTAAAGACGCTGTGAAGACGGATGCC  
 CCTGCCTCTGCCCTCTGGGACATCATGCGTTGCTGGGAGAAGGAATGTCCGGTAAACGGGAGCGACTAT  
 CAGAGACTAGCCAGCGTTCGCAATTCAGTGTGGAGCCAGGCTGCAGGCCAACTTACCATCCGGGA  
 AGATGCCAACCCAGCTCCGACAGCGAGGACTCAAGCGCTTCCAGGCTAACCCGAGGCCAACTGGGGT  
 CCCCGCCTCGTCCCGCCAGGGGCAAGGCGCCGACGAAGCTATGGAGGAGAGACGAGGCTGCTTC  
 AGAAACAAGCGGAAGGAGCCCGGAAGATGTGGCCAGCGGGCTGCCCGCTCAAGACATTTCTTGCAA  
 GAGGTTTAAGGAGGGCACCTGTCAACGCGGGGACCAAGTGTGCTACTCCACAGCCCCGACACCCAGG  
 GTTTCTGCTGATGCTGCCCTGACTGTCCAGAGACCTCCAACCAGACCCCCCTGGACCTGGGGTGGCC  
 CTGGGCCAGGCATAGAC

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



**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\\_001136035.4](#)

**RefSeq Size:** 2161 bp

**RefSeq ORF:** 1980 bp

**Locus ID:** 55621

**UniProt ID:** [Q9NXH9](#)

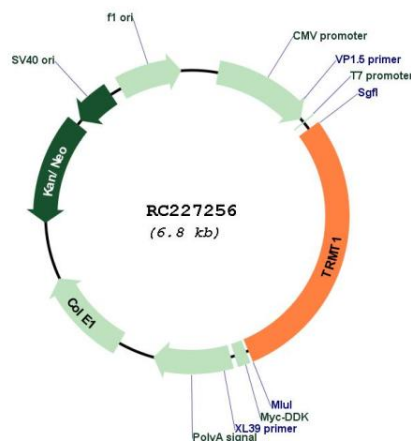
**Cytogenetics:** 19p13.13

**Protein Families:** Druggable Genome

**MW:** 72.2 kDa

**Gene Summary:** This gene encodes a tRNA-modifying enzyme that acts as a dimethyltransferase, modifying a single guanine residue at position 26 of the tRNA. The encoded enzyme has both mono- and dimethylase activity when exogenously expressed, and uses S-adenosyl methionine as a methyl donor. The C-terminal region of the encoded protein has both a zinc finger motif, and an arginine/proline-rich region. Mutations in this gene have been implicated in autosomal recessive intellectual disorder (ARID). Alternative splicing results in multiple transcript variants encoding different isoforms. There is a pseudogene of this gene on the X chromosome. [provided by RefSeq, May 2017]

### Product images:



Circular map for RC227256