

Product datasheet for **RN202513**

Trmt12 (NM_001122976) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trmt12 (NM_001122976) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Trmt12
Synonyms:	RGD1307127
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >RN202513 representing NM_001122976
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGAGAGAATGTGAGAAGTCTGTAGTTGTCGCGAGTTGTGACTGAGCCTCGGTTTACCCAGAGATACA
 GAGACTATCTCGAGAAGCAGAACTCTTGATAGACAGTACCGTGTGAAAAGTTGCGGGATGGCACGGT
 GGCCTACCGGTGCTGGCAGAAACCTGTCTGAACATCATCTGCAGGAGCTGAAGAAATCGCGTGGCCCC
 GGCAGCACCTGTAAGCTGACGCAGCTCCTGGATCCTCTTCTTCTAAAAAGGCCCGGTTTGTTCACCTG
 CCCAAAGACTGTGCTTGAGGTGAGGCGTTGGGTAGAGGACCGCGGAGTGACGTGGTCCACTGAATTGGA
 GGCAGATTTGCCCGGTCTTGGCAACGGCATGGTACCTAATGCTGCTTAGTGAAGACTGTTTCCAAGCC
 ACGCAGTGAAAAGGCTGGAACCAAGTCTGGGAGACTGTTGCCTCAGCCCTGGAGTTCAGCGTTTGG
 CAAAACGAGGGCGGGTGTACTCTGATGGTACTCGAACTCCGACAGTGACTCTGCTCGTGGTACCATGG
 CTGGGTAGAGCATGTAGATAATGGCATCCGGTATAAGTTTGTGACACAGTGCATGTTCTCCTTCGGA
 AACATCACTGAGAACTTCGAGTGGCCTCACTCTCCTGTGCTGGAGAAGTCTGGTGGATCTCTATGCAG
 GGATTGGTTATTTACGTTGCCCTTCTAGTTCATGCTGGCGCCGCTTCGTCATGCTTGTGAATGGAA
 TCCTCATGCAGTAGTTGCTCTAAGAAAGAAATTTGGAGATCAATGGAGTGGCAGACCGGTGCCAAATACAT
 TTTGGGACAACAGGAACTGAACTCTCAAACTGCAGATAGGGTGAACCTGGGGTCAATCCAGTT
 CTGAAGAAGGCTGGCCATTGCCTGCCAAGTGTGCGAAAGGATGTTGGGGTATTCTGCATATCCACCA
 AAATGTGGAATCTTTCTCGGAAAGAATCCACAGCCACCTGGAAGCAGTAACATGGAAAAGAAGCATTGG
 CCTCATCCCAGAAAATTACACTGATAAACAGGGAAATAGAATACTGGAAGTTGCATGGGGAAATGT
 CATCAGCCAGCAAACAGAGTGGCAAAGATGGGCAGAATCTGCAGAAAGTCAGATCGCCTCTCTTCTTCA
 TCAAGTACATGGGAAACCATGGAGGACACGAATCCTACATGTCCACCCAGTGAATCTTACGCCCCCCAC
 GTGGATCACATAGTCTAGATCTGGAATGCCGCCCTGCCTCTAGTTGGC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001122976

Insert Size: 1314 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:

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_001122976.2](#), [NP_001116448.1](#)

RefSeq Size: 1655 bp

RefSeq ORF: 1314 bp

Locus ID: 314999

UniProt ID: [Q4V8B8](#)

Cytogenetics: 7q33

Gene Summary: S-adenosyl-L-methionine-dependent transferase that acts as a component of the wybutosine biosynthesis pathway. Wybutosine is a hyper modified guanosine with a tricyclic base found at the 3'-position adjacent to the anticodon of eukaryotic phenylalanine tRNA. Catalyzes the transfer of the alpha-amino-alpha-carboxypropyl (acp) group from S-adenosyl-L-methionine to the C-7 position of 4-demethylwyosine (imG-14) to produce wybutosine-86 (By similarity). [UniProtKB/Swiss-Prot Function]