

Product datasheet for **SC108366**

TRMT2B (NM_024917) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRMT2B (NM_024917) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRMT2B
Synonyms:	CXorf34; dj341D10.3
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_024917, the custom clone sequence may differ by one or more nucleotides

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ATGGCAGGCCTTAAGAGAAGAGTCCCAGTGCACAGCCTCAGATACTTCATCTCCATGGTGGGTCTCTTCT
CCAAACCAGGACTGCTTCCCTGGTATGCCAGAAATCCACCAGGATGGTCACAGCTCTTTCTGGGCACAGT
ATGTAAGGGAGATTTACCCGTGTGATAGCCACGAAATGTCAGAAAGGACAAAAAGTCAGAAGAAACCA
AGCCATCTTGACCACTAGATGGTTCCTGGCAGGAAAGGCTGGCTGATGTTGTGACACCACTCTGGAGGT
TGAGCTATGAAGAACAGCTCAAGGTGAAATTTGCAGCTCAGAAGAAAATTTACAAGACTAGAGTCTTA
CATCCAAATGCTCAATGGAGTCAGTGTGACAACGGCTGTACCCAAATCTGAGAGGCTCTCTGTCTTCTC
CATCCTATTATACCTCTCCTGTCAATGGTTACCGAAATAAGTCCACCTTCTCTGTGAACCGAGGTC
CAGATGGCAATCCAAAGACTGTGGGGTTCTACCTGGGAACTTGGAGAGATGGGAACGTTGTCTGTGTGCA
GTCTAATCATCTGAAAAACATCCCTGAGAAACACAGTCAAGTGGCGCAGTACTATGAAGTATTCCTTCGA
CAGTCTCCATTGGAGCCCTGCCTTGTATTTTCATGAAGGTGGATACTGGCGTGAGCTCACAGTCCGCACCA
ATAGCCAAGGGCACACAATGGCTATCATCACTTCCATCCCAGAAATTAAGTCAGGAGGAGCTCCATGT
TCAGAAGGAGATTGTAAGGAATTTTCATCAGAGGTCTGGAGCAGCCTGTGGCTTGACCTCACTTAC
TTCCAGGAAAGTACCATGACCCGTTGCAGCCATCAGCAGTCTCCCTATCAGCTTCTGTTTGGGAAACCCT
ACATCTTTGAAGAACTTCTGAGCTTGAAGATCCGCATCTCTCCAGATGCCTTTTTCCAGATTAACACAGC
TGGTGCAGAGATGCTGTATCGGACTGTGGGGGAGCTGACTGGAGTGAACCTGACACCATCCTTCTTGAC
ATCTGCTGTGGAACCTGGTGTGATTGGCCTCTCTCTGGCTCAGCATACATCTCGGGTCTTGGGATTGAAT
TGTTGGAGCAGGCAGTGGAGGATGCAAGATGGACTGCAGCCTTCAATGGCATCACCAACTCTGAATTTCA
TACTGGTCAAGCAGAGAAGATTTTCCAGGGCTGCTAAAGTCAAAGGAAGATGGACAGTCAATTGTTGCT
GTGGTGAACCCAGCCCGTCCCGGACTGCATTACAAGGTGATTCAAGCCATTGAAACTTCAGGGCCATCC
ACACGCTAGTTTTTGTTCCTGCAAGCTCCATGGTGAATCCACTAGGAATGTCATTGAGCTGTGCTGTC
TCCAGACCCTGCTAAGAAGCTCTTAGGCGAGCCCTTTGCTCTGCAGCAAGCTGTACTGTGGATTTGTTCC
CCTCACACCCACATTGTGAGCTGGTGTCTCTTTACTCGATAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_024917 unedited
 TTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGCTATGAGTGCTTTT
 AAGGAAGGTCTCCATAGAAAGTTCCCCAGCAAAGTAGGGAGGGTACTCCCCGAGAGGA
 GTCGAGGTGCCGGAGCCTGCTGCCTCGCCGACGCTGGGAGGAGCCCCGTGTCCCGCCGG
 CTTGCCAAGGGTTGGCTGCGCGTGCCGGGGAGTAGAGGCGCCTTGCGCACCCAGGAAGTG
 ACTGTTTTCCCCGCCGAGCAAACCAGGCCATCCGCTGGCCTTTTAGTTTGCCGCTCAGG
 TGAAATTTGCAGCTCAGAAGAAAATTTTACAAAGACTAGAGTCTTACATCCAAATGCTCA
 ATGGAGTCAGTGTGACAACGGCTGTACCCAAATCTGAGAGGCTCTCTTGCTTCTCCATC
 CTATTATACCCTCTCCTGTCATCAATGGTTACCGAAATAAGTCCACCTTCTCTGTGAACC
 GAGGTCCAGATGGCAATCCAAAGACTGTGGGGTTCTACCTGNGAACTTGAGAGATGGGA
 ACGTTGTCTGTGTCAGTCTAATCATCTGAAAAACATCCCTGAGAAACACAGTCAAGTGG
 CGCAGACGGAGTTTTGCTCTGTCAACCAGGCTGGAGTGTGTGGTGTGATCTCNGCTCGC
 TGCAACTTCTGCCTCTGCGTTCAGCGATTCTCCTGCTCAGCCCCCTGAGTACCTGGGA
 TTGCAGGTGGATACTGCCGTGAGCTCCCAGTCCGCACCATAGCCAGGCCCCACAATGGCT
 ATCATCACTTTCCATTCCAGAAATTAAGTTAGGAGGAGCCTCCTTGTTTCAAGGAGAT
 TGCAAAAAGAAATTTCTTCAAAGGCCCTGAAACAGCCCTGTGCCTTGACCTCACTTTAC
 TTCCAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_024917 unedited
 NTTCTTTGGAACCGCGGCCGATTCTANGATCGAGTTTTTTTTTTTTTTTTTTTGGAGAGG
 TGTCTCACTCTGTCAACCAGGCTGGAGTGCAGCGGCACAAATCCAGCCCACTGCAACCTC
 CACCTCCAGGCCCAAGCAATTATCCTGCCTCAGCCTCCCGAGTAGCCGGGATTACAGGT
 GCCCACCACCAGGGGAAAACACTACATTTTCAAGGGGCATTTCGAGATGCCTTAAAACCAAGA
 AAACCCAAAAGAATTAATCTCATCTGATGATCACTCAGTACCCTGTATTCACTTCATGG
 CTTACCCTGCTTTTAAAAACCTCGACTGTTTCTGGTTTTAATCCTTAACTACCTCAAGA
 ATCCAGAAGTCTTAGAAATATCTAAAAATTGTAGCATCTCTGAGCAAATGCACAGGCTCC
 AGTCAATGTAAAATTATTACCAGCTGCTTAAAAAAGGTCATTTGTCCACACCATAAGCA
 GAAACGGAGGAGACAAGACTATAAACTAGAACCAGGCTGACAGCAACAGGAAGAAAACAG
 TCCAGATCCAGGAGTGGGGAGTGGTCAAACCCAAGCAAACGGGCATGATTGAAAGGGAAT
 CTGAAATCTAAGGTTAAGTCAACCGCGCGGCGTGTGGGTGGCTCACGCCTATAATCCCA
 TCACTTTGAGAGGCCACGCCGGGTGCATCACCTTGAGGCCACGAGTTCGAGACCAGCCT
 GGCCAACAGGGGAAAACCTGCTTTACCAAAAAACAACTTATCCCGGGCTGGGCACT
 CCCCTTTAATCCCAATCCCGCGAAAACCGAGCACAAAAATACCCTATCCGGGAGGCGGA
 AGCCGTTGAGCCTATAACCTCCCGTACTTCCACCCGGGCAATATGTAACCCCTTCCAA
 AAAACAAGTGTCTTGAACACAGGCCTAAGAATTTCTCTTTAAAACCAAGATGGCCCCC
 GT

Restriction Sites:

NotI-NotI

ACCN:

NM_024917

Insert Size:

2660 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_024917.3](#), [NP_079193.2](#)

RefSeq Size: 3574 bp

RefSeq ORF: 1515 bp

Locus ID: 79979

UniProt ID: [Q96GJ1](#)

Cytogenetics: Xq22.1

Protein Families: Druggable Genome

Gene Summary: This gene encodes a homolog of the TRM2 gene in *S. cerevisiae*. The yeast gene encodes a tRNA methyltransferase that plays a role in tRNA maturation. The yeast protein also has endo-exonuclease activity and may be involved in DNA double strand break repair. Alternative splicing results in multiple transcripts encoding different isoforms. [provided by RefSeq, Nov 2009]

Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2, and 4 all encode isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.