

Product datasheet for **SC324316**

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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_024917.4
 CGGGTGTCAAGGCTATGAGTGCTTTAAGGAAGGTCTCCATAGAAGGTTCCCCAGCAAA
 GTAGGGAGGGGTACTCCCGAGAGGAGTTCGAGGTGCCGAGCCTGCTGCCTCGCCGACGC
 TGGGAGGAGCCCCGTGTCCCGCCGCGCTTGCCAAGGGTTGGCTGCGCGTGCGGCGGGAGT
 AGAGGCGCCTTGCACACCAGGAAGTGACTGTTTCCCCGCGCAGCAAACAGGCCATCCG
 CTGGCCTTTTAGTTTGGCGCCTCAGAAAACCTCCTACTATGCCAAACTGTCGCGGGGCG
 GGAATGGAGGAGGCAGGCGGGGCTGGAGACGGGACCGACGGTGACTGCGCAAGTCTGT
 GTACGGCCAGCGTGGGCTGTGCCCTAACTCCTCCACTCCCTACTTTCTGCTCTTCC
 CGGGCCCTGCAGACCGCCAAGTTAGTGGTAGCCTTTCCTAGTGTCTCCTTTTGTAA
 CCCTTCTACAGACACAGTGGGCAGAACTGCCTAAAGAAGAAGGAATGGAAGGGCTAG
 TGGAGTCTTGTGGGAGACAAGGACCTGACTGCCTGTGGGCTGCATTGGGACACGACA
 CAGCAGTCAACCCATTTGCTTGTGGTTAGCAAGGAATAGTGTCTGGAGCCGGTCCAG
 CTGAAGGAAGGGTGAGCAGAGAGTGCAAGCAGGACCCCTTGTGGTGGGTGAACATTTTGC
 TCCAAAAGGGATCCTTGGCCCTGCGCAGGTGGATTTTCAAGTGTGTTCTTTGGATGGCAGGC
 CTTAAGAGAAGAGTCCCCTGCACAGCCTCAGATACTTCCATCCTCATGGTGGGTCTCTTC
 TCCAAACCAGGACTGCTTCCCTGGTATGCCAGAAATCCACCAGGATGGTACAGCTCTTT
 CTGGGCACAGTATGTAAGGGAGATTTACCCCGTGTGATAGCCACGAAATGTCAGAAAGGA
 CAAAAAAGTCAGAAGAAACCAAGCCATCTTGACCACTAGATGGTTCCTGGCAGGAAAGG
 CTGGCTGATGTTGTGACACCACTCTGGAGTTGAGCTATGAAGAACAGCTCAAGGTGAAA
 TTTGACAGCTCAGAAGAAAATTTTACAAAGACTAGAGTCTTACATCCAAATGCTCAATGGA
 GTCAGTGTGACAACGGCTGTACCCAAATCTGAGAGGCTCTCTTGTCTTCTCCATCCTATT
 ATACCCTCCTGTCAATCAATGGTTACCGAAATAAGTCCACCTTCTCTGTGAACCGAGGT
 CCAGATGGCAATCCAAAGACTGTGGGTTCTACCTGGAACTTGGAGAGATGGGAACGTT
 GTCTGTGTGACAGTCAATCATCTGAAAAACATCCCTGAGAAACACAGTCAAGTGGCGCAG
 TACTATGAAGTATTCCTTCGACAGTCTCCATTGGAGCCCTGCCTTGTATTTTCATGAAGGT
 GGATACTGGCGTGTGAGCTCACAGTCCGACCAATAGCCAAGGGCACACAATGGCTATCATC
 ACTTTCCATCCCCAGAAATTAAGTCAGGAGGAGTCCATGTTTCAAGGAGATTGTAAG



[View online »](#)

GAATTTTTCATCAGAGGTCTGGAGCAGCCTGTGGCTTGACCTCACTTTACTTCCAGGAA
 AGTACCATGACCCGTTGCAGCCATCAGCAGTCTCCCTATCAGTTCTGTTTGGGGAACCC
 TACATCTTTGAAGAACTTCTGAGCTTGAAGATCCGCATCTCTCCAGATGCCTTTTTCCAG
 ATTAACACAGCTGGTGCAGAGATGCTGTATCGGACTGTGGGGGAGCTGACTGGAGTGAAC
 TCTGACACCATCCTTCTGACATCTGCTGTGGAAGTGGTGTATTGGCCTCTCTGGCT
 CAGCATAACATCTCGGGTCTTGGGATTGAATTGTTGGAGCAGGCAGTGGAGGATGCAAGA
 TGGACTGCAGCCTTCAATGGCATCACCAACTCTGAATTTTCACTACTGGTCAAGCAGAGAAG
 ATTTTGCCAGGGCTGCTAAAGTCAAAGGAAGATGGACAGTCAATTGTTGCTGTGGTGAAC
 CCAGCCCGTGCCGGACTGCATTACAAGGTGATTCAAGCCATTGAACTTCAAGGCCATC
 CACACGCTAGTTTTTGTTCCTGCAAGCTCCATGGTGAATCCACTAGGAATGTCATTGAG
 CTGTGCTGTCTCCAGACCTGCTAAGAAGCTCTTAGGCGAGCCCTTTGCTCAGCAAA
 GCTGTACCTGTGGATTTGTTCCCTCACACCCACATTGTGAGCTGGTGTCTCTTTACT
 CGATAAGCAGCCTCCTAGAAGACTGCAGGCTATTTGTTAAGGCTGAAGTTTCAGAACTT
 TCAGGTTTGGCATATTGCTACATTGCAGACCCTGGGAGCATTACAGTGGAAACCAATCTT
 TGGTTTGTGAATAGGAAGAATCTATTAGGCCTCTGGTCTGAGGCAGATTTTTTTTTGAG
 ATGGGGTCTCACTTGTGCCAGGCTGGAGTGTCTGGCGTGATCTCAGCTCGCTGCAACC
 TCCGCCTCCCGGGTTCAGGTGATTCTCGTGCCTCAGCTTCCCCAGTAGCTAGGATTAAG
 GTGCGTGCCACCATGCCCGGCTAATTTTTGTATTTTTGGTAGAGACAGGGTTTACCATG
 TTGGCCAGGCTGGTCTCAAACCTCCTGACCTCAAGTGTACCCCGCCTCGGCCTCTCAA
 GTGCTGGGATTATAGGCGTGAGCCACCACCCCGCCGCGGCTGACTTAACCTTAGATTT
 CAGATTCCTTTCAATCATGCCGTTTGTCTGGGTTTACCCTCCCACTCCTGGATCT
 GGACTGTTTCTTCTGTTGCTGTGAGCCTTGGTCTAGTTTATAGTCTTGTCTCCTCCGT
 TTCTGCTTATGGTGTGGACAAATGACCTTTTTTAAGCAGCTGGTAATAATTTTACATTGA
 CTGGAGCCTGTGATTTGCTCAGAGATGCTACAATTTTTAGATTTTCTAAGACTTCTGG
 ATCTTGAGGTAGTTAAGGATTAAAACAGAAACAGTCGAGGTTTTTTAAAAGCAGGGTA
 AGCCATGAAGTGAATACAGGGTACTGAGTGTATCATCAGATGAGATTAATTCTTTTGGGT
 TTTCTTGGTTTTAAGGCATCTCGAATGCCCTTAAAAATGATTTTTCCCTGGTGGTGGG
 CACCTGTAATCCAGCTGCTCGGGAGGCTGAGGCAGGATAATTGCTTGTGAGCTGGGAGGT
 GGAGGTTGCAGTGTGAGATTGTGCCACTGCGCTCCAGCCTGGGTGACAGAGTGGGAC
 ACCATCTCAAAAAAAAAAAAAAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM_024917
- 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_024917.4](#), [NP_079193.2](#)

RefSeq Size: 3325 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.