

Product datasheet for **RG230190**

TRMT2B (NM_001167970) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRMT2B (NM_001167970) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TRMT2B
Synonyms:	CXorf34; dj341D10.3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG230190 representing NM_001167970
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGGCCTTAAGAGAAGAGTCCCACTGCACAGCCTCAGATACTTCATCTCCATGGTGGGTCTCTTCT
 CCAAACCAAGGACTGCTTCCCTGGTATGCCAGAAATCCACCAGGATGGTCACAGCTCTTCTGGGCACAGT
 ATGTAAGGGAGATTTACCCGTGTGATAGCCACGAAATGTCAGAAAGGACAAAAAGTCAGAAGAAACCA
 AGCCATCTTGACCACTAGATGGTTCCTGGCAGGAAAGGCTGGCTGATGTTGTGACCACTCTGGAGGT
 TGAGCTATGAAGAACAGCTCAAGGTGAAATTTGCAGCTCAGAAGAAAAATTTACAAGACTAGAGTCTTA
 CATCCAAATGCTCAATGGAGTCAGTGTGACAACGGCTGTACCCAAATCTGAGAGGCTCTCTGTCTTCTC
 CATCCTATTATACCTCTCCTGTCATCAATGGTTACCGAAATAAGTCCACCTTCTCTGTGAACCGAGGTC
 CAGATGGCAATCCAAAGACTGTGGGTTCTACCTGGGAACTTGGAGAGATGGGAACGTTGTCTGTGTGCA
 GTCTAATCATCTGAAAAACATCCCTGAGAAACACAGTCAAGTGGCGCAGTACTATGAAGTATTCCTTCGA
 CAGTCTCCATTGGAGCCCTGCCTTGTATTTTCATGAAGGTGGATACTGGCGTGAGCTCACAGTCCGCACCA
 ATAGCCAAGGGCACACAATGGCTATCATCACTTTCCATCCCCAGAAATTAAGTCAGGAGGAGCTCCATGT
 TCAGAAGGAGATTGTAAGGAATTTTTCATCAGAGGTCTGGAGCAGCCTGTGGCTTGACCTCACTTTAC
 TTCCAGGAAAGTACCATGACCCGTTGCAGCCATCAGCAGTCTCCCTATCAGCTTCTGTTTGGGAACCTT
 ACATCTTTGAAGAACTTCTGAGCTTGAAGATCCGCATCTCTCCAGATGCCTTTTCCAGATTAACACAGC
 TGGTGCAGAGATGCTGTATCGGACTGTGGGGGAGCTGACTGGAGTGAAGTCTGACACCATCCTTCTTGAC
 ATCTGCTGTGGAAGTGGTGTGATTGGCCTCTCTCTGGCTCAGCATACATCTCGGGTCCTTGGGATTGAAT
 TGGTGGAGCAGGAGTGGAGGATGCAAGATGGAGTGCAGCCTTCAATGGCATCACCACTCTGAATTTCA
 TACTGGTCAAGCAGAGAGATTTTGGCAGGGCTGCTAAAGTCAAAGGAAGATGGACAGTCAATTGTTGCT
 GTGGTGAACCCAGCCCGTCCCGGACTGCATTACAAGGTGATTCAAGCCATTGAAACTTCAGGGCCATCC
 ACACGCTAGTTTTTGTTCCTGCAAGCTCCATGGTGAATCCACTAGGAATGTATTGAGCTGTGCTGTCC
 TCCAGACCCTGCTAAGAAGCTCTTAGGCGAGCCCTTTGCTCTGCAGCAAGCTGTACCTGTGGATTGTTC
 CCTCACACCCACATTGTGAGCTGGTGTCTCTTTACTCGA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG230190 representing NM_001167970
 Red=Cloning site Green=Tags(s)

MAGLKRRVPLHSLRYFISMVGLFSKPGLLPWYARNPPGWSQLFLGTVCKGDFTRVIATKCQKQKSQKKP
 SHLGPLDGSWQERLADVVTPLWRLSYEEQLKVKFAAQKKILQRLESYIQMLNGVSVTTAVPKSERLSCLL
 HPIIPSPVINGYRNKSTFSVNRGPDGNPKTVGFYLGTVRDGNVVCVQSNHLKNIPEKHSQVAQYYEVFLR
 QSPLEPCLVFHEGGYWRELTVRTNSQGHTMAIITFHPQKLSQEELHVQKEIVKEFFIRGPAACGLTSLY
 FQESTMTRCSHQSPYQLLFGEPYIFEELLCLKIRISPDFAFFQINTAGAEMLYRTVGELTGVNSDTILLD
 ICCGTGVIGLSLAQHTSRVLGIELLEQAVEDARWTAAFNGITNSEFHTGQAEKILPGLLKSKEGQSIWA
 VVNPARAGLHYKVIQAIRNFRAIHTLVFVSCKLHGESTRNVIELCCPPDPAKKLLGEPFVLQAVPVDFL
 PHTPHCELVLLFTR

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001167970

ORF Size: 1512 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001167970.1](#), [NP_001161442.1](#)

RefSeq Size: 3181 bp

RefSeq ORF: 1515 bp

Locus ID: 79979

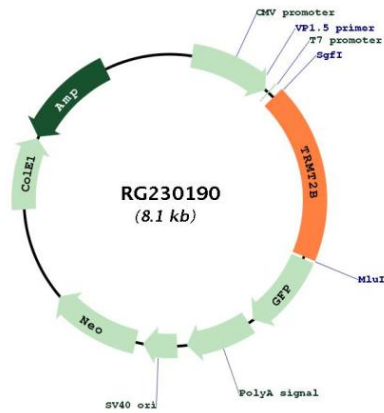
UniProt ID: [Q96GJ1](#)

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]

Product images:



Circular map for RG230190