

Product datasheet for **RG201534**

TRMT6 (NM_015939) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRMT6 (NM_015939) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TRMT6
Synonyms:	CGI-09; GCD10; Gcd10p
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG201534 representing NM_015939
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGAGGGCTCAGGGGAGCAGCCGGGCCACAACACAGCATCCCGGAGACCACCGCATCCGCGACGGCG
 ACTTCGTGGTGCTGAAACGTGAAGATGTGTTTAAAGCAGTACAAGTCCAGCGGAGAAAAAAGTAACTTT
 CGAAAAACAGTGGTTCTACCTGGATAACGTCATTGGCCATAGTTATGGAAGTGCATTTGAAGTGACCAGT
 GGAGGAAGTCTACAGCCCAAGAAGAAGAGGGAAGAGCCTACTGCAGAGACTAAAGAAGCGGGCACTGATA
 ATCGAAATATAGTTGATGATGGGAAATCTCAGAACTTACTCAAGATGACATAAAAGCTTTGAAGGACAA
 GGGCATTAAAGGAGAGGAAATAGTTCAGCAGTTAATTGAAATAGTACAACATTCGAGACAAGACAGAA
 TTTGCCCAAGATAAATATATTAAGAAAGAAAAAAATATGAAGCCATCATTACTGTTGTGAAGCCAT
 CCACCCGTATTCTTTCAATTATGTATTATGCAAGAGAACCTGGAAAAATTAACCACATGAGATACGATAC
 ACTAGCCAGATGTTGACGTTGGGAAATATCCGTGCTGGCAACAAAATGATTGTGATGGAACGTGTGCA
 GGCTTGGTGCTGGGTGCAATGATGGAACGAATGGGAGGTTTTGGCTCCATTATTCAGCTATACCCTGGAG
 GAGGACCTGTTCCGGCAGCAACAGCATGTTTTGGATTTCCCAAATCTTTTCTCAGTGGTCTTTATGAATT
 CCCTCTCAACAAAGTGGACAGTCTTCTACATGGAACATTTTCTGCCAAGATGTTATCTTCAGAGCCAAAA
 GACAGTGCTTTGGTTGAAGAAAGTAATGGCACACTGGAGGAAAAACAGGCTTCTGAACAAGAGAATGAAG
 ACAGCATGGCAGAGGCCCCAGAGAGCAACACCCAGAAGACCAGGAAACAATGGAACAATTTCTCAAGA
 TCCAGAACATAAGGGGCCCTAAAGAGAGAGGAAGCAAAAAAGATTATTCAGGAAAAACAGAGGAGACAA
 GAAGAGCAGAGGAAAAGACATTTAGAGGCTGCCGCTCTGCTGAGTGAAAGAAACGCAGATGGTTTAATTG
 TAGCTAGTCGTTTCCACCCCACTCCCCTGCTGCTGCTTTGCTGGACTTTGTGGCCCTTCAAGGCCGTT
 TGTGGTCTACTGTCAGTACAAAGAGCCTCTGTTGGAATGCTACACAAAACGCGGGAGAGGGGAGGGGTC
 ATCAACCTCAGGCTGTCTGAAACCTGGCTCAGAAATTATCAGGTTTTGCCAGATCGAAGTCATCCTAAAC
 TGCTGATGAGTGGAGGTGGGGTTATCTTCTCTCCGGCTTACCCTTGCCATGGACAACCTTAAAGCAGA
 CACCAGCCTCAAATCTAATGCAAGCACTTTAGAATCACACGAGACTGAGGAGCCTGCAGCTAAAAACGA
 AAATGCCAGAGTCTGACTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG201534 representing NM_015939
 Red=Cloning site Green=Tags(s)

MEGSGEQPGPQPHPGDHRIRGDGFVVLKREDVFKAVQVQRRKKVTFEKQWFYLDNVIGHSYGTAFEVTS
 GGSLQPKKKREEPTAETKEAGTDNRNIYDDGKSQKLQDDIKALKDKGIKGEEIVQQLIENSTTFRDKTE
 FAQDKYIKKKKKYEAIIIVVKPSTRILSIMYYAREPGKINHMRYDTLAQMLTLGNIRAGNKMIVMETCA
 GLVLGAMMERMGFGSIIQLYPGGGPVRAATACFGFPKSFSLGYEFPLNKVDSLHLHGTFSAKMLSSEPK
 DSALVEESNGTLEEKQASEQENEDSMAEAPESNHPEDQETMETISQDPEHKGPKERGSKKDYIQEKQRRQ
 EEQRKRHLEAAALLSERADGLIVASRFHPTPLLLSLDFVAPSRPFVYCYQYKEPLLECYTKLRERGGV
 INLRLSETWLRNYQVLPDRSHPKLLMSGGGGYLLSGFTVAMDNLKADTSLKSNASTLESHETEPAKKR
 KCPESDS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_015939

ORF Size: 1491 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_015939.5](#)

RefSeq Size: 2311 bp

RefSeq ORF: 1494 bp

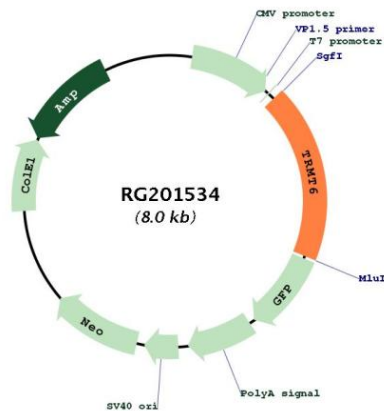
Locus ID: 51605

UniProt ID: [Q9UJA5](#)

Cytogenetics: 20p12.3

Gene Summary:

This gene encodes a member of the tRNA methyltransferase 6 protein family. A similar protein in yeast is part of a two component methyltransferase, which is involved in the posttranslational modification that produces the modified nucleoside 1-methyladenosine in tRNAs. Modified 1-methyladenosine influences initiator methionine stability and may be involved in the replication of human immunodeficiency virus type 1. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

Product images:


Circular map for RG201534