

## Product datasheet for **SC126188**

### TRMT6 (NM\_015939) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TRMT6 (NM_015939) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRMT6
Synonyms:	CGI-09; GCD10; Gcd10p
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

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>OriGene sequence for NM_015939 edited
GTGAGGCTGGCGGTGGCGACAACCGAGGAGGAGGGGCGGGACGCCGTGGAGCACGGCGAC
CGGCTGAGCGTCATGGAGGGCTCAGGGGAGCAGCCGGGCCACAACCACAGCATCCCGGA
GACCACCGCATCCGCGACGGCGACTTCGTGGTCTGAAACGTGAAGATGTGTTTAAAGCA
GTACAAGTCCAGCGGAGAAAAAAGTAACTTTCGAAAAACAGTGGTTCTACCTGGATAAC
GTCATTGGCCATAGTTATGGAAGTGCATTTGAAGTGACCAGTGGAGGAAGTCTACAGCCC
AAGAAGAAGAGGGGAAGGCCTACTGCAGAGACTAAAGAAGCGGGCACTGATAATCGAAAT
ATAGTTGATGATGGGAAATCTCAGAACTTACTCAAGATGACATAAAAAGCTTTGAAGGAC
AAGGGCATTAAAGGAGAGGAAATAGTTCAGCAGTTAATTGAAAAATAGTACAACATTCCGA
GACAAGACAGAATTTGCCAAGATAAATATATTAATAAAGAAAAAATATGAAGCC
ATCATTACTGTTGTAAGCCATCCACCCGATTCTTTCAATTATGTATTATGCAAGAGAA
CCTGGAATAAACCACATGAGATACGATACACTAGCCAGATGTTGACGTTGGGAAAT
ATCCGTGCTGGCAACAAAATGATTGTGATGGAACGTGTGCAGGCTTGGTCTGGTGCA
ATGATGGAACGAATGGGAGGTTTTGGCTCCATTATTCAGCTATACCTGGAGGAGACCT
GTTCCGGCAGCAACAGCATGTTTTGGATTTCCAAATCTTTTCTCAGTGGTCTTTATGAA
TTCCCTCTCAACAAAGTGACAGTCTTCTACATGGAACATTTTCTGCAAGATGTTATCT
TCAGAGCCAAAAGACAGTGTCTTGGTTGAAGAAAGTAATGGCACACTGGAGGAAAAACAG
GCTTCTGAAACAAGAGAATGAAGACAGCATGGCAGAGGCCCCAGAGAGCAACCACCCAGAA
GACCAGGAAACAATGGAAACAATTTCTCAAGATCCAGAACATAAGGGGCCATAAGAGAGA
GGAAGCAAAAAGATTATATTCAGGAAAAACAGAGGAGACAAGAAGAGCAGAGGAAAAAGA
CATTTAGAGGCTGCCGCTCTGCTGAGTGAAGAAACGCAGATGGTTTAAATGTAGCTAGT
CGTTTCCACCCCACTCCCCTGCTGCTGTCTTTGCTGGACTTTGTGGCCCTTCAAGGCCG
TTTGTGGTCTACTGTCAGTACAAAGAGCCTCTGTTGGAATGCTACACAAAACGCGGGGAG
AGGGGAGGGGTCATCAACCTCAGGCTGTCTGAAACCTGGCTCAGAAATTATCAGGTTTTG
CCAGATCGAAGTCATCCTAAACTGCTGATGAGTGGAGGTGGGGTTATCTTCTCCGGC
TTCACCGTTGCCATGGACAACCTTAAAGCAGACACCAGCCTCAAATCTAATGCAAGCACT
TTAGAATCACACGAGACTGAGGAGCCTGCAGCTAAAAACGAAAAATGCCAGAGTCTGAC
TCTTAACCCTTTGAGAATTGCTCTGAATTTTGTCTCAGGCATTATACAGTTAGTAATT
AACTTTAAATGCCATTACTACTTGTTTTTTTCATATCCAAGAATAAGAACATGTCTATG
TACCCGTTTCTAGGAAGGAGGATATATGCCTTTTGTCTATTTCTGACACAGATGCATTT
GGTCTGTCAAACTGCAACCATGGGTATGTAGTATGACCAACTGCATTTAACAAAACCTC
CTTAAGTACTTCTAAATATTCTGTGCAATATCTTGAGAACTTCAACATCCTAAAAATG
TGTTTCTACAAGACTTTATATTTAAGCTAAGTGAATAATACAACGTAACATAAACATG
GCGGGTACCGAAAGGAGGGCAATTCATGGAAGAAATTTCTCTGTTCATTCCGTTCTCTT
CAACCTAAGCAATATGGATGTGTGAGTGTGTGATTTATTATGGTACCAAAAAATGTCCACC
TTCTTCTGCAGCGAATAAGCTTTTTTGAATGCTGAGGTTTTATTTTAAATAGTTGAC
AACCTGGGAAAGTTCTGAGTATTTATTTACTGCTTTTTTTGTGCATAGAAAGGTTTAG
TAGGGTACTTTTTGCATTAATTTGCCAATACTTATTCTTTGTTCTAAATAAAGTGAC
TAGAATTTTTGTGTAATTTCAATTAAGGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
    
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_015939 unedited AAAGGTCAGAATTTGTATACGACTCATATAGGGCGGCCGGAATCANATCTGGTACCGGT CCGGAATCCCGGGATATCGTCGACCCACGCGTCCGGTGAGGCTGGCGGTGGCGACAACC GAGGAGGAGGGGCGGGACGCCGTGGAGCACGGCGACCCGGTGAGCGTCATGGAGGGCTCA GGGGAGCAGCCGGGCCACAACCACAGCATCCCGGAGACCACCGCATCCGCGACGGCGAC TTCGTGGTGCTGAAACGTGAAGATGTGTTTAAAGCAGTACAAGTCCAGCGGAGAAAAAAA GTAACTTTCGAAAAACAGTGGTTCTACCTGGATAACGTCATTGGCCATAGTTATGGAAC GCATTTGAAGTGACCCAGTGGAGGAAGTCTACAGCCAAGAAGAAGAGGAAGAGCCTACT GCAGAGACTAAAGAAGCGGGCACTGATAATCGAAATATAGTTGATGATGGGAAATCTCAG AACTTACTCAAGATGACATAAAAGCTTTGAAGGACAAGGGCATTAAAGGAGAGGAAATA GTTCCAGCAGTTAATTGAAAATAGTACAACATTCGAGACAAGACAGAATTTGCCCAAGAT AAATATATTAAGAAAGAAAAAAAATATGAAGCCATCATTACTGTTGTGAAGCCATCC ACCCGATTCTTTCAATTATGTATTATGCAAGAGAACCTGGAAAAATAACCACATGAGAT ACGATACACTAGCCAGATGTTGACGTTGGGAAATATCCGTGCTGCAACAAAATGATTG TGATGGAACGTGTGCANGCTTGGTGCTGGGGTGCATGATGGAACGAATGGGAGGNTTT GGCTCCATTATCAGCTATACCCTGGAGGGAGACCTGTTT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_015939
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_015939.3</a> , <a href="#">NP_057023.2</a>
<b>RefSeq Size:</b>	2311 bp
<b>RefSeq ORF:</b>	1494 bp
<b>Locus ID:</b>	51605
<b>UniProt ID:</b>	<a href="#">Q9UJA5</a>
<b>Cytogenetics:</b>	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]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).