

Product datasheet for SC335355

TRMT6 (NM_001281467) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRMT6 (NM_001281467) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRMT6
Synonyms:	CGI-09; GCD10; Gcd10p
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335355 representing NM_001281467. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGTATTATGCAAGAGAACCTGGAAAAATTAACCACATGAGATACGATACACTAGCCAGATGTTGACG
 TTGGGAAATATCCGTGCTGGCAACAAATGATTGTGATGGAAACGTGTGCAGGCTTGGTGTGGGTGCA
 ATGATGGAACGAATGGGAGGTTTTGGCTCCATTATTCAGCTATACCCTGGAGGAGGACCTGTTGGGCA
 GCAACAGCATGTTTTGGATTTCCCAAATCTTTCTCAGTGGTCTTTATGAATTCCTCTCAACAAAGTG
 GACAGTCTTCTACATGGAACATTTCTGCCAAGATGTTATCTTCAGAGCCAAAAGACAGTGCTTTGGTT
 GAAGAAAGTAATGGCACACTGGAGGAAAAACAGGCTTCTGAACAAGAGAATGAAGACAGCATGGCAGAG
 GCCCAGAGAGCAACCAACCCAGAAGACCAGGAAACAATGGAAACAATTTCTCAAGATCCAGAACATAAG
 GGGCTAAAGAGAGAGGAAGCAAAAAAGATTATATTTCAGGAAAAACAGAGGAGACAAGAAGAGCAGAGG
 AAAAGACATTTAGAGGCTGCCGCTCTGCTGAGTGAAAGAAACGCAGATGGTTTAATTGTAGCTAGTCGT
 TTCCACCCCACTCCCCTGCTGCTGTCTTTGCTGGACTTTGTGGCCCTTCAAGGCCGTTTGTGGTCTAC
 TGTCAGTACAAAGAGCCTCTGTTGGAATGCTACACAAACTGCGGGAGAGGGGAGGGGTCATCAACCTC
 AGGCTGTCTGAAACCTGGCTCAGAAATTATCAGGTTTTGCCAGATCGAAGTCATCCTAAACTGCTGATG
 AGTGGAGGTGGGGTTATCTTCTCTCCGGCTTCACCGTTGCCATGGACAACCTTAAAGCAGACACCAGC
 CTCAAATCTAATGCAAGCACTTTAGAATCACACGAGACTGAGGAGCCTGCAGCTAAAAACGAAAAATGC
 CCAGAGTCTGACTCT**TAA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001281467
Insert Size:	984 bp


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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:	<u>NM_001281467.1</u>
RefSeq Size:	2243 bp
RefSeq ORF:	984 bp
Locus ID:	51605
UniProt ID:	<u>Q9UJA5</u>
Cytogenetics:	20p12.3
MW:	36.4 kDa
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 (2) lacks an exon in its 5' UTR and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus, compared to isoform 1.