

Product datasheet for SC113870

TRMT12 (NM_017956) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRMT12 (NM_017956) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRMT12
Synonyms:	TRM12; TYW2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC113870 sequence for NM_017956 edited (data generated by NextGen Sequencing)

```

ATGAGAGAGAATGTGGTTGTTAGCAACATGGAGAGAGAAAAGTGGGAAGCCCGTGGCTGTT
GTCGCAGTTGTGACTGAGCCTTGGTTTACCCAGCGATACAGAGAATATCTCCAGAGGCAG
AAACTCTTTGATACACAGCACCGTGTGGAAAAGATGCCGATGGCTCGGTGGCGTACCG
GTGCTGGGAGAGACGCTTCCAGAGCAGCACCTGCAGGAGCTGAGGAATCGTGTGCCCA
GGCAGTCCCTGTATGCTCACGCAGCTCCCGGATCCTGTTCTTGAAGAGGGCCAGGGT
TGTTACCTGCCAAAAATTGTGCTTGGAGGTGAGTCGCTGGGTGGAGGGTCGGGGAGTC
AAGTGGTCAGCCGAGTTGGAGGCTGATTTGCCCGATCATGGCAACGGCATGGTAATCTC
TTGTTGCTGAGTGAAGACTGTTTCCAAGCAAGCAGTGGAAAAATCTGGGACCGGAACTC
TGGGAGACCGTTGCCTTGGCACTTGGCGTCCAGCGTTTGGCAAAACGAGGGCGGGTATCA
CCGGATGGTACTCGAACTCCAGCAGTGACACTGCTGCTGGGTGACCATGGCTGGGTAGAG
CATGTGGATAATGGTATCCGTTATAAGTTTGACGTGACCCAGTGTATGTTCTCCTTTGGA
AACATCACTGAGAAGCTTCGAGTGGCATCGTTGCTGTGCTGGAGAAGTGTGGTGGAT
CTCTATGCAGGGATTGGTTATTTTACATTGCCTTTCTAGTTCATGCTGGTGTGCCCTC
GTCCATGCTTGTGAGTGGAAATCCCATGCTGTAGTTGCTGTGAGAAATAACCTTGAGATC
AATGGAGTAGCAGATCGGTGCCAAATACACTTTGGAGATAACAGAAAACCTGAAGCTCTCA
AATATTGCAGATAGGGTATCCTGGGGCTGATTTCCAGCTCTGAAGAAGGCTGGCCATT
GCCTGCCAAGTGTTAAGGCAGGATGCTGGAGGCATTTTGCATATCCACCAAAATGTGGAA
TCTTTCCAGGGAAGAATCTTCAGGCTCTTGGAGTCAGCAAAGTAGAGAAAGAGCATTGG
CTGTATCCTCAGCAAATTACCACCAACCAATGGAAAAATGGAGCTACCAGGGATTCTAGG
GGAAAAATGCTGTACCAGCCACCAAGCCAGAGTGGCAAAGGTGGGCAGAATCTGCAGAA
ACTCGAATCGCCACTCTTCTCAGCAGGTGCATGGGAAACCATGGAAGACACAAATTCTG
CACATCCAACAGTGAATCCTATGCTCCCATGTGGATCACATAGTCTGGATCTGGAA
TGCTGCCCTGTCCTTCAGTTGGCTAG

```

Clone variation with respect to NM_017956.3



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_017956 unedited GGGGTCAGATTTGTATACGACTTCTATAGGCGGCCGCGNAATTCGCACGAGGGCCGGGTG AGCTGCAGGCTACCTTATTTAAGACCGGGAATTTAGTCAGCCTGGTGAGCCGACTCTGAG GAGATGGAGTATCGCTGAGGTGATGAGAGAGAATGTGGTTGTTAGCAACATGGAGAGAGA AAGTGGGAAGCCCGTGGCTGTTGTGCGAGTTGTGACTGAGCCTTGGTTTACCCAGCGATA CAGAGAATATCTCCAGAGGCAGAACTCTTTGATACACAGCACCCGTGGAAAAGATGCC GGATGGCTCGGTGGCGCTACCGGTGCTGGGAGAGACGCTCCAGAGCAGCACCTGCAGGA GCTGAGGAATCGTGTGCCCCAGGCAGTCCCTGTATGCTCACGCAGCTCCCGGATCCTGT TCCTTCGAAGAGGGCCAGGGTTGTTACCTGCCCAAAAATTGTGCTTGAGGTGAGTCG CTGGGTGGAGGGTCGGGGAGTCAAGTGGTCAGCCGAGTTGGAGGCTGATTTGCCCGATC ATGGCAACGGCATGGTAATCTCTTGTGCTGAGTGAAGACTGTTTCCAAGCCAAGCAGTG GAAAAATCTGGGACCGAACTCTGGGAGACCGTTGCCCTGGCACTGGCGTCCAGCGTTT GGCAAAACGAGGGCGGGTATCACCGGATGGTACTCGAACTCCAGCAGTGACACTGCTGCT GGGTGACCATGGCTGGGTAGAGCATGTGGATAATGGTATCCGTTATAAGTTTGACGTGAC CCAGTGTATGTTCTCTTTGAAACATCACTGAGAAGCTTCGAGTGGCATCGTTGCTCTG TGCTNGGAGAGTCTGGGTGGATCTCTATGCAGGNATTGGTTATTTTACATTGCCTTTNC TAGNTCATGCTGTGCTGNCTTCGTCC
Restriction Sites:	NotI-NotI
ACCN:	NM_017956
Insert Size:	2200 bp
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:	<ol style="list-style-type: none">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_017956.1 , NP_060426.1
RefSeq Size:	2061 bp
RefSeq ORF:	1347 bp
Locus ID:	55039
UniProt ID:	Q53H54
Cytogenetics:	8q24.13
Domains:	Met_10

Gene Summary:

Wybutosine (yW) is a hypermodified guanosine at the 3-prime position adjacent to the anticodon of phenylalanine tRNA that stabilizes codon-anticodon interactions during decoding on the ribosome. TRMT12 is the human homolog of a yeast gene essential for yW synthesis (Noma and Suzuki, 2006).[supplied by OMIM, Mar 2008]