

Product datasheet for **MG215870**

Trmt11 (NM_028604) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trmt11 (NM_028604) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Trmt11
Synonyms:	2410075D05Rik; 3110045118Rik; AW213713
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG215870 representing NM_028604
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGCTGCCGGCTCCTTGAATCGCTATCTCTTGTCTATGGCAGGAGCATCTGGAGTTCGGCTTAC
 CGGAAATAAGTCTTTACTATCGGTGTTTGGAGGGCAGTTCACTAACAGTCAGGAAACTTATGGAAAGTC
 TCCATTTTGGATTCTTAACATTCCTCTGAAGATATTGCAAGAACTTAATGAAACGGACTGTGTGTGCC
 AAGTCTATATTTGAACTATGGGGTCATGGAAAATCTCCGAGGAGCTGTATACTTCTTAAAAAGTTACC
 CCGTGGAGAAGATGGTTCCATATCTGCATTAGATTTCGACATATAAAATAAAGATTACACACATTTAATAA
 AACATTAACCAAGAAGAAAAAGTGAACGAATTGATGCACCTGAATTTCTGCCGTTTCAAGGAAAAAGTG
 AACTTAAAGAAACCACAGCATGTATTCTCCATTTGGAGGACTATGGTTTGGACCCAACTCTATCCCCA
 AGGATCCACATAATTTATTTTGGCAGATGGATTGCAGATGGACAAAGAGAGCTAATTGAGTCATACAG
 TGTCAAAAAGAGACATTTTATTGGAAATACAAGTATGGATGCTGGTTTATCATTATCATGACCAACCAT
 GCAAAAAGTGAAGAAAATGATCTTGTCTTTGACCCCTTTGTTGGAACAGGTGGCCCTCTTATAGCATCTG
 CCACTTTGGTGCATATGTGTGTGGGACAGACATAGACTACAATACAGTTCATGGCTTGGGAAAGGCTAG
 TAGAAAAAACAGAAATGGCGTGGACCAGATGAAAACATCAGGGCAAATCTTCGTCAGTATGGCTTAGAG
 AAGTTTTACCTTGATGTCTTGGTTTCAGATGCGTCTAAGCCTTCTGGAGGAAGGGAACATATTTTATG
 CAATCATCACAGATCCTCCATATGGTATCAGAGAATCTACAAGAAGATCAGGTTTACAGAAAGGACATACC
 AAAGGGAATAGAAAAATGTCAGAAAGCCAGTTCCTGTTTCTTGAGTTATCACCTGAGTGACATGTTT
 TTTGACCTGTTAAATTTGCAGCTGAGACCCTTGTACTGGGTGGAAGACTAGTCTATTGGCTACCAGTAT
 ATACACCAGGTACACTGAGGAGATGGTCCGTCGCCCTTGCCTGAGACTCATTAGCAACTGTGAACA
 GAAGCTTTCCAGTCACACAGCAAGGCGCTGATCACCATGGAAAAGGTGAAGGAATTTGAGAACCGGGAC
 AAGTATTCACACCTGCTGAGTGATCTTTTCTGCCGTACCAAGGACATAATTTCTTCCGTGAGAAATATT
 TTAGTGTGTAACAAAAAGAATTGCCAAGGAAGAAAAATGCAGCCACGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG215870 representing NM_028604
 Red=Cloning site Green=Tags(s)

MALPGSLNRYLLLMAQEHLEFRLPEIKSLLSVFGGQFTNSQETYGKSPFWILNIPSEDIARNLMKRTVCA
 KSIFELWGHGKSPEELYTSLKSYPEKMPVYLHSDSTYKIKIHTFNKLTQEEKVKRIDALEFLPFQGVK
 NLKKPQHVFSILEDYGLDPNSIPKDPHNIYFGRWIADGQRELIESYSVKKRHFIGNTSMDAGLSFIMTNH
 AKVKENDLVDFPFVGTGGLLIASAHFAYVCGTDIDYNTVHGLGKASRKNQKWRGPDENIRANLRQYGLE
 KFYLDVLVSDASKPSWRKGTDFDAIITDPPYGIRESRRSGSQKDIPKGIKCPESHVPVLSYHLSDMF
 FDLLNFAAETLVGGRLVYWLPVYTPYEEMVPWHPCLRLISNCEQKLSSTARRLITMEKVKEFENRD
 KYSHLLSDHFLPYQGHNSFREKYFSGVTKRIAKEEKCSHE

TRTRPLE - GFP Tag - V

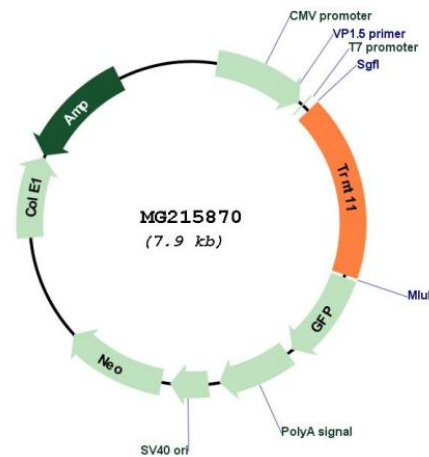
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_028604

ORF Size: 1380 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:	<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:	<u>NM_028604.3</u>
RefSeq Size:	2359 bp
RefSeq ORF:	1383 bp
Locus ID:	73681
Cytogenetics:	10 A4
Gene Summary:	Catalytic subunit of an S-adenosyl-L-methionine-dependent tRNA methyltransferase complex that mediates the methylation of the guanosine nucleotide at position 10 (m2G10) in tRNAs. [UniProtKB/Swiss-Prot Function]