

## Product datasheet for **MG225654**

### Trmt2a (NM\_001080999) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Trmt2a (NM_001080999) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Trmt2a
Synonyms:	Htf9c
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG225654 representing NM\_001080999  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGTGAGCCGGCCGGAAGTTCGGAGCCCATGGAGGACTGCGGCCAGGATGCCAGTGTGTACCCA  
 GCTCTGCGGCCCACTATGTCAAAAAGAGGAAGCAGGGCCTGGCCAGCTGCAGGCCTGGAACGCAGCC  
 TGGGCTCTACAGCTACATAAGGGATGACTTGTTCACATCAGAAATCTTTAAACTGGAGCTCCAAAATGTA  
 CCTCGCCACGCCAGCTTCAGTGACGTCCGGCGTTTTCTAGGCCGTTTTGGTCTACAGTCCCAAAAATCA  
 AACTCTTTGGACAGCCACCATTGTCCTTTGAACATTCGAAGCGCTGCTGAACGAGACAAGGCCTTGCG  
 AGTGTGCACGGTGTCTCTGAAAAGGCTGTCCGCTCAGCGTACGCTGGCCGACCCAAGGCTGACCCC  
 ATGGCTAGGAAGAGGGCGCAAGAAGGTGATAGTGAGCCATCAGTAACACAAATTGCCGATGTGGTGACCC  
 CTCTGTGGACAGTGCCCTACACTGAGCAGCTGGAGCAGAAGCGACTGGAATGTGAGCGGGTGTACAGAA  
 ACTGGCCAAAAGAAATTGGGAACACTAATCGTGCCCTGCTACCCTGGCTGCTTTTACAGAGACAACAGCAC  
 AATAAAGCTTGTGCCCCCTGGAGGGGGTCAAGCCATCACCCAGCAGACTGAATATCGTAATAAATGTG  
 AATTCCTGGTCCGAGTTGGGGTAGACGGCAAGGACAACACAGTTGGCTGCCGGCTTGGAAGTACAAGGG  
 TGAACATGTGCTGTGGCAGCTCCCTTTGACACTGTGCACATTCAGAGGCCACTAAGCAGGTGGTGAAG  
 GCCTTCCAGGAATTCATCCGTTCCACACCACTACTCGGCATATGACCCTGAGACATATACAGGCCACTGGA  
 AGCAACTGACTGTTTCGTACCAGCAGCCGAGGCCAGGCCATGGCCATTGCCTACTTCCATCCCCAGAACT  
 GAGCTCTGAGGAGGTGGCAGGACTAAAGGCCTCCCTGGTGTGCCACTTTCATGGAGGGCCAGGCAAGGCC  
 AGTGGGGTGACCTCCCTCTACTTTGTGGAGGAGGACAGAGAAAGACTCCCAGCCAGGAAGGCCTGCCCC  
 TGGACCATATGGCTGGCAGCAGTGCATTCAGGAAGACCTGCTAGGGCTGACCTTCCGCACTCCCTCA  
 TGCATTCTCCAGGTAACACACCTGCAGCTGAGGTGCTCTACACAGTAATCCAGGAATGGGCACAGCTA  
 GATGGGGCAGTACAGTGTGGCAGTGTGCTGTGGCACTGGCACCATAGGCCTGGCCCTGGCTCCGAAGG  
 TGAAGAGAGTAGTGGAAATTGAACTGTGCCAGGAGGCTGTGGAGGATGCCCGGATGAACGCCCTCACAA  
 TGAGCTGAGCAATGTTGAGTTCCTACTGTGGCAGGGCTGAGGATCTGGTCCAGGTTTGGTGAAGACTG  
 TCTTCCCATCACTTGTAGTGTCTAGACCCACCAGGGCTGGCTACATTCTAAGGTGATTCTGGCCA  
 TCCGAAAAGCTGAGAACATCAAGCGACTCTGTATGTTTCTGTAACCCAGGCCAGCCATGGGCAACTT  
 TGTGGACCTCTGCAGGGCCCATCTAACCGAGTAAAAGGCACCCATTCCATCCAGTCAAGGCTGTGGCA  
 GTGGACCTGTTCCACAGACTCCGCACTGTGAGATGCTTATCCTGTTTGGAGGATGCAACAACACCCCA  
 ATGGCATAGAAGCCCTGGAGCATCAAGAATTTAGACCCCAAGAAATCTTCTGATATCACTCCACAGGA  
 AACAGAGATTTCCCTCTCA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG225654 representing NM\_001080999  
 Red=Cloning site Green=Tags(s)

MSEPAAEVPEPMEDCGQDASAVPSSAAPLCQKEEAGPGAAGPGTQPGLYSYIRDDLFTSEIFKLELQNV  
 PRHASFSDVRRFLGRFGLQSHKIKLFGQPPCAFVTFRSAERDKALRVLHGALWKGCP LSVRLARPKADP  
 MARKRRQEGDSEPSVTQIADVVTPLWTPYTEQLEQKRLCERVLQKLAKEIGNTNRALLPWL LQRQQH  
 NKACCPLEGVKPSQQT EYRNKCEFLVGVVDGKDNTVGCRLGKYKGGTCAVAAPFDTVHIPEATKQVVK  
 AFQEFIRSTPYSAYDPETYTGHWKQLTVRTSSRQAMAIAYFHPQKLSSEEVAGLKASLVCHFMEGPGKA  
 SGVTSLYFVEEGQRKTPSQEGLPLEHMAGDQCIQEDLLGLTFRISPHAFFQVNTPAAEVL YTVIQEWAQL  
 DGGSTVLDVCCGTGTIGLALAPKVRRVGIELCQEAVEDARMNALTNELSNVEFHCGRAEDLV PGLVSRL  
 SSHQLVAVLDPPRAGLH SKVILAIRKAENIKRLLYVSCNPRAAMGNFVDLCRAPSNRVKGTFFHPVKAVA  
 VDLFPQTPHCEMLILFERMQHPNGIEALEHQEFQTPRNL PDITPQETEISLS

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001080999

**ORF Size:** 1839 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\\_001080999.2](#), [NP\\_001074468.1](#)

**RefSeq Size:** 3637 bp

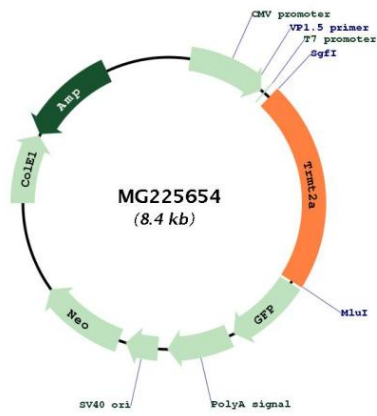
**RefSeq ORF:** 1842 bp

**Locus ID:** 15547

**UniProt ID:** [Q8BNV1](#)

Cytogenetics: 16 11.31 cM

Product images:



Circular map for MG225654