

## Product datasheet for **MG225655**

### Trmt2a (NM\_001195205) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Trmt2a (NM_001195205) 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:**

>MG225655 representing NM\_001195205  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGTGAGCCGGCCGCGGAAGTTCGGAGCCCATGGAGGACTGCGGCCAGGATGCCAGTGTGTACCCA  
 GCTCTGCGGCCCACTATGTCAAAAAGAGGAAGCAGGGCCTGGCCAGCTGCAGGCCTGGAACGCAGCC  
 TGGGCTCTACAGCTACATAAGGGATGACTTGTTCACATCAGAAATCTTTAACTGGAGCTCCAAAATGTA  
 CCTCGCCACGCCAGCTTCAGTGACGTCCGGCGTTTTCTAGGCCGTTTTGGTCTACAGTCCCAAAAATCA  
 AACTCTTTGGACAGCCACCATGTGCCTTTGAACATTCGAAGCGCTGCTGAACGAGACAAGGCCTTGCG  
 AGTGTGCACGGTGTCTCTGAAAAGGCTGTCCGCTCAGCGTACGCTGGCCGACCCAAGGCTGACCCC  
 ATGGCTAGGAAGAGGGCGCAAGAAGGTGATAGTGAGCCATCAGTAACACAAATTGCCGATGTGGTGACCC  
 CTCTGTGGACAGTGCCCTACACTGAGCAGCTGGAGCAGAAGCGACTGGAATGTGAGCGGGTGTACAGAA  
 ACTGGCCAAAAGAAATTGGGAACACTAATCGTGCCCTGCTACCCTGGCTGCTTTTACAGAGACAACAGCAC  
 AATAAAGCTTGTGCCCCCTGGAGGGGGTCAAGCCATCACCCAGCAGACTGAATATCGTAATAAATGTG  
 AATTCCTGGTCCGAGTTGGGGTAGACGGCAAGGACAACACAGTTGGCTGCCGGCTTGGAAGTACAAGGG  
 TGAACATGTGCTGTGGCAGCTCCCTTTGACACTGTGCACATTCAGAGGCCACTAAGCAGGTGGTGAAG  
 GCCTTCCAGGAATTCATCCGTTCCACACCACTACTCGGCATATGACCCTGAGACATATACAGGCCACTGGA  
 AGCAACTGACTGTTCTGACCAGCAGCCGAGGCCAGGCCATGGCCATTGCCTACTTCCATCCCCAGAACT  
 GAGCTCTGAGGAGGTGGCAGGACTAAAGGCCTCCCTGGTGTGCCACTTATGGAGGGGCCAGGCAAGGCC  
 AGTGGGGTGACCTCCCTCTACTTTGTGGAGGAGGACAGAGAAAGACTCCAGCCAGGAAGGCCTGCCCC  
 TGGACATATGGCTGGCAGCACAGTGCATTCAGGAAGACCTGCTAGGGCTGACCTTCCGCTATCCCTCA  
 TGCATTCTCCAGGTAACACACCTGCAGCTGAGGTGCTCTACACAGTAATCCAGGAATGGGCACAGCTA  
 GATGGGGCAGTACAGTGTGGCAGTGTGCTGTGGCACTGGCACCATAGGCCTGGCCCTGGCTCCGAAGG  
 TGAAGAGAGTAGTGGGAATTGAACTGTGCCAGGAGGCTGTGGAGGATGCCCGGATGAACGCCCTCACAA  
 TGATTCTAAGGTGATTCTGGCCATCCGGAAGCTGAGAACATCAAGCGACTCCTGTATGTTTCTGTAAC  
 CCCAGGGCAGCCATGGGCAACTTTGTGGACCTCTGCAGGGCCCCATCTAACCGAGTAAAAGGCACCCCAT  
 TCCATCCAGTCAAGGCTGTGGCAGTGGACCTGTTCCACAGACTCCGCACTGTGAGATGCTTATCCTGTT  
 TGAGAGGATGCAACAACACCCCAATGGCATAGAAGCCCTGGAGCATCAAGAATTTAGACCCCAAGAAAT  
 CTTCTGATATCACTCCACAGGAAACAGAGATTTCCCTCTCA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG225655 representing NM\_001195205  
 Red=Cloning site Green=Tags(s)

MSEPAAEVPEPMEDCGQDASAVPSSAAPLCQKEEAGPGPAAGPGTQPGLYSYIRDDLFTSEIFKLELQNV  
 PRHASFSDVRRFLGRFGLQSHKIKLFGQPPCAFVTFRSAERDKALRVLHGALWKGCP LSVRLARPKADP  
 MARKRRQEGDSEPSVTQIADVVTPLWTPYTEQLEQKRLCERVLQKLAKEIGNTNRALLPWL LQRQQH  
 NKACCPLEGVKPSPPQTEYRNKCEFLVGVVDGKDNTVGCRLGKYGGTCAVAAPFDTVHIPEATKQVVK  
 AFQEFIRSTPYSAYDPETYTGHWKQLTVRTSSRGQAMAIAYFHPQKL SSEEVAGLKASLVCHFMEGPGKA  
 SGVTSLYFVEEGQRKTPSQEGLPLEHMAGDQCIQEDLLGLTFRISPFAFQVNTPAAEVL YTVIQEWAQL  
 DGGSTVLDVCCGTGTIGLALAPKVKRVVGIELCQEAVEDARMNALTNSKVILAIRKAENIKRLL YVSCN  
 PRAAMGNFVDLCRAPSNRVKGTFFHPVKAVAVDLFPQTPHCEMLILFERMQHPNGIEALEHQEFQTPRN  
 LPDITPQETEISLS

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001195205

**ORF Size:** 1722 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\\_001195205.1](#), [NP\\_001182134.1](#)

**RefSeq Size:** 3520 bp

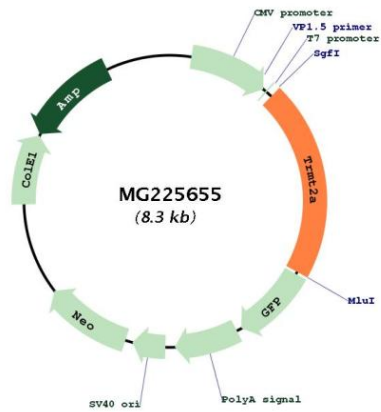
**RefSeq ORF:** 1725 bp

**Locus ID:** 15547

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

**Cytogenetics:** 16 11.31 cM

Product images:



Circular map for MG225655