

Product datasheet for **MR225654**

Trmt2a (NM_001080999) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trmt2a (NM_001080999) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trmt2a
Synonyms:	Htf9c
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR225654 representing NM_001080999
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGTGAGCCGGCCGCGGAAGTTCGGAGCCCATGGAGGACTGCGGCCAGGATGCCAGTGTGTACCCA
 GCTCTGCGGCCCACTATGTCAAAAAGAGGAAGCAGGGCCTGGCCAGCTGCAGGGCCTGGAACGCAGCC
 TGGGCTCTACAGCTACATAAGGGATGACTTGTTCACATCAGAAATCTTTAACTGGAGCTCCAAAATGTA
 CCTCGCCACGCCAGCTTCAGTGACGTCCGGCGTTTTCTAGGCCGTTTTGGTCTACAGTCCCAAAAATCA
 AACTCTTTGGACAGCCACCATGTGCCTTTGAACATTCGAAGCGCTGCTGAACGAGACAAGGCCTTGCG
 AGTGTGCACGGTGTCTCTGAAAAGGCTGTCCGCTCAGCGTACGCTGGCCGACCCAAGGCTGACCCC
 ATGGCTAGGAAGAGGGCGCAAGAAGGTGATAGTGAGCCATCAGTAACACAAATTGCCGATGTGGTGACCC
 CTCTGTGGACAGTGCCCTACACTGAGCAGCTGGAGCAGAAGCGACTGGAATGTGAGCGGGTGTACAGAA
 ACTGGCCAAAAGAAATTGGGAACACTAATCGTGCCCTGCTACCCTGGCTGCTTTTACAGAGACAACAGCAC
 AATAAAGCTTGTGCCCCCTGGAGGGGGTCAAGCCATCACCCAGCAGACTGAATATCGTAATAAATGTG
 AATTCCTGGTCCGAGTTGGGGTAGACGGCAAGGACAACACAGTTGGCTGCCGGCTTGGAAGTACAAGGG
 TGAACATGTGCTGTGGCAGCTCCCTTTGACACTGTGCACATTCAGAGGCCACTAAGCAGGTGGTGAAG
 GCCTTCCAGGAATTCATCCGTTCCACACCACTACTCGGCATATGACCCTGAGACATATACAGGCCACTGGA
 AGCAACTGACTGTTCTGACCAGCAGCCGAGGCCAGGCCATGGCCATTGCCTACTTCCATCCCCAGAACT
 GAGCTCTGAGGAGGTGGCAGGACTAAAGGCCTCCCTGGTGTGCCACTTATGGAGGGCCAGGCAAGGCC
 AGTGGGGTGACCTCCCTCTACTTTGTGGAGGAGGACAGAGAAAGACTCCCAGCCAGGAAGGCCTGCCCC
 TGGAGCATATGGCTGGCAGCAGTGCATTCAGGAAGACCTGTAGGGCTGACCTTCCGCTATCCCTCA
 TGCATTCTCCAGGTAACACACCTGCAGCTGAGGTGCTCTACACAGTAATCCAGGAATGGGCACAGCTA
 GATGGGGCAGTACAGTGTGGCAGTGTGCTGTGGCACTGGCACCATAGGCCTGGCCCTGGCTCCGAAGG
 TGAAGAGAGTAGTGGAAATTGAACTGTGCCAGGAGGCTGTGGAGGATGCCCGGATGAACGCCCTCACAA
 TGAGCTGAGCAATGTTGAGTTCCTGTGGCAGGGCTGAGGATCTGGTCCAGGTTTGGTGAAGACTG
 TCTTCCCATCACTTGTAGTGTCTAGACCCACCAGGGCTGGCTACATTCTAAGGTGATTCTGGCCA
 TCCGAAAGCTGAGAACATCAAGCGACTCTGTATGTTTCTGTAACCCAGGGCAGCCATGGGCAACTT
 TGTGGACCTCTGCAGGGCCCATCTAACCGAGTAAAAGGCACCCATTCCATCCAGTCAAGGCTGTGGCA
 GTGGACCTGTTCCACAGACTCCGCACTGTGAGATGCTTATCCTGTTTGGAGGATGCAACAACACCCCA
 ATGGCATAGAAGCCCTGGAGCATCAAGAATTTAGACCCCAAGAAATCTTCTGATATCACTCCACAGGA
 AACAGAGATTTCCCTCTCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR225654 representing NM_001080999
 Red=Cloning site Green=Tags(s)

MSEPAAEVPEPMEDCGQDASAVPSSAAPLCQKEEAGPGPAAGPGTQPGLYSYIRDDLFTSEIFKLELQNV
 PRHASFSDVRRFLGRFGLQSHKIKLFGQPPCAFVTFRSAERDKALRVLHGALWKGCP LSVRLARPKADP
 MARKRRQEGDSEPSVTQIADVVTPLWTPYTEQLEQKRLCERVLQKLAKEIGNTNRALLPWLLLRQQH
 NKACCPLEGVKPSPPQTEYRNKCEFLVGVGVDGKDNTVGCRLGKYKGGTCAVAAPFDTVHIPEATKQVVK
 AFQEFIRSTPYSAYDPETYTGHWKQLTVRTSSRGQAMAIAYFHPQKLSSEEVAGLKASLVCHFMEGPGKA
 SGVTSLYFVEEQQRKTPSQEGLPLEHMDGQCIQEDLLGLTFRISPFAFFQVNTPAAEVLYTVIQEWAQL
 DGGSTVLDVCCGTGTIGLALAPVKRVVGIELCQEAVEDARMNALTNELSNVEFHCGRAEDLVPGLYSRL
 SSHQLVAVLDPPRAGLHSHKIVILAIRKAENIKRLLYVSCNPRAAMGNFVDLCRAPSNRVKGTFFHPVKA
 VDLFPQTPHCEMLILFERMQHPNGIEALEHQEFQTPRNLPDITPQETEISLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9075_e01.zip

Restriction Sites: SgfI-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.

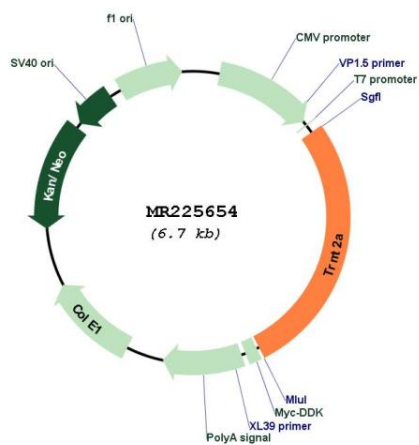
RefSeq: [NM_001080999.2](#), [NP_001074468.1](#)

RefSeq Size: 3637 bp

RefSeq ORF: 1842 bp

Locus ID: 15547
 UniProt ID: [Q8BNV1](#)
 Cytogenetics: 16 11.31 cM
 MW: 67.5 kDa

Product images:



Circular map for MR225654