

Product datasheet for **RR214005**

Trmt2a (NM_001011895) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trmt2a (NM_001011895) Rat 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:

>RR214005 representing NM_001011895
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGTGAGAAGCTGGACACGGAAGTCCGGAGCACATGGAGACTGCGGCCAGGATGTCAGTGCAGTGG
 GCAGCTCTGCAGCCTCAGTATGTCAAGATGAGAAAGAGGACCCTGGGCCAGCTGCAGGGCCTGGAATCA
 GCCTGGGCTCTACAGCTACATAAGGGATGACTTGTTCACCTCAGAGATCTTTAAACTGGAGCTCCAAAAT
 GTACCTCGCCACGCCAGCTTCAGTGACGTCGGCGTTTTTTAGGCCGTTTTGGCTTACAATCCCACAAAA
 TCAAACCTTTGGACAGCCACCATGTGCCTTTGTGACATTTGCGAGTGTCTGAACGAGACAAGGCCTT
 GCGAGTGTGCATGGTGTCTCTGGAAGGGTCTCCACTCAGTGTACGACTGGCCCGACCAAGGCTGAC
 CCCATGGCTAGGAAGAGGCGCAAGAAGGCATAATGAACCAACAGCAACACAGATTGCCGATGTGGTGA
 CCCCTCTTTGACAGTGCCTACACTGACGAGTGGAGCAGAAGCGACTGGAATGTGAGCGGGTGTCTACA
 GAAACTGGCCAAGGAAATGGGAACACTAACCATGCCCTGCTACCCTGGCTGCTTTGCAGAGACAACAG
 CACAATAAAGCTTGTGGCCATTGGAGGGGGTCAAGCCATCACCCAGCAGACTGAGTACCGTAACAAGT
 GTGAATTTCTGGTTCGGAGTTGGGGTAGATGGAGAGGACAACACTGTTGGCTGCCGGCTTGCCAAGTACAA
 GGGCGGGACGTGTGCTGTGGCGCCTCCCTTTGACACTGTGCACATTCCACAGGCCACTAAGCAGCTGGT
 AAGGCCTTCCAGGAGTTCATCCGTTCCACACCATATTCGGCATATGACCTGAGACATACACAGGCCACT
 GGAAGCAACTGACTGTCCGCACCCAGCCCGGAGGTCAAGCCATGGCCATTGCCCACTTCCATCCCAGAA
 ACTGAGCTCTGAGGAGGTGGCAGGACTAAAGGCCTCCCTGGTGTGCCACTTCATGGAGGGGCCAGGCAAG
 GCCAGTGGGGTGACATCCCTCTACTTTGTGGAGGGGACAGAGAAGACTCCCAGCCAGGAAGGCCTGC
 CCTGGAGCATATGGCCGGTGACCAGTGCATTAGGAAGACCTGCTAGGGCTCACTTTCCGCATCTCCCC
 TCATGCATTCTTCCAGGTAACACACCTGCAGCCGAGGTGCTCTACACAGTCATCCAGGAATGGGCCAG
 CTGGATGGGGGACGACAGTGTGGACGTTTGGTGTGGCACTGGTACCATAGGGCTAGCCCTGGCTCCGA
 AGGTGAAGAAAGTAATTGGGATTGAACTGTGCCAGGAGGCTGTGGAGGATGCCCGTATGAACGCCCTCAC
 CAATGAGCTGAGCAACGTTGAGTTCACCTGCGGCAGGGCTGAGGATCTGGTGCAGGCTTGGTGAGCAAA
 CTGTCTTCCAGCAACTGTAGCTGTTCTAGACCCACCACGGGCTGGCCTACATTCTAAGGTGATTCTGG
 CCATGAGGAAAGCTGAGAACATCAAGCGGCTCCTGTATGTTTCTGCAACCCAGGGCAGCCATGGGCAA
 CTTTGTGGATCTCTGCAGAGCCCATCTAACCGAGTAAAGGTACCCCATCCATCCAGTCAAGGCTGTG
 GCAGTGGACCTGTTCCCACAGACCCACACTGTGAAATGCTTATCCTGTTTGGAGGATGCAACAACACC
 CTAAATGGCATAGGGCCCTGGAACATCAAGACCTCAAACCCCAAGAAATCTTCCCGACCTCACTGCACA
 GGAACAGAGACTTCCCTCTACCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR214005 representing NM_001011895
 Red=Cloning site Green=Tags(s)

MSEKLDTEVPEHMEDCGQDVSAVGSSAASVCQDEKEDPGPAAGPGTQPGLYSYIRDDLFTSEIFKLELQN
 VPRHASFSDVRRFLGRFGLQSHKIKLFGQPPCAFVTFRSAERDKALRVLHGVLWGRPLSVRLARPKAD
 PMARKRRQEGDNEPTATQIADVVTPLWTVPYTEQLEQKRLCERVQKLAKAIGNTNHALLPWWWLQRQQ
 HNKACCPLEGVKPSPPQTEYRNKCEFLVGVGVDGEDNTVGCRLGKYKGGTCAVAPPFDTVHIPQATKQLV
 KAFQEFIRSTPYSAYDPETYTGHWKQLTVRTSRRGQAMAI AHFHPQKLSSEEVAGLKASLVCHFMEGPGK
 ASGVTSLYFVEEQQRKTPSQEGLPLEHMAGDQCIQEDLLGLTFRISPHAFFQVNTPAAEVLYTVIQEWAQ
 LDGGSTVLDVCCGTGTIGLALAPVKKVIGIELCQEAVEDARMNALTNELSNVEFHCGRAEDLVPLVSK
 LSSQQLVAVLDPRAAGLHASKVILAMRKAENIKRLLYVSCNPRAAMGNFVDLCRAPSNRVKGTFFHPVKAV
 AVDLFPQTPHCEMLILFERMQHPNGIGALEHQDLQTPRNLPLTAQETETSLSP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001011895

ORF Size: 1845 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_001011895.1](#), [NP_001011895.1](#)

RefSeq Size: 2266 bp

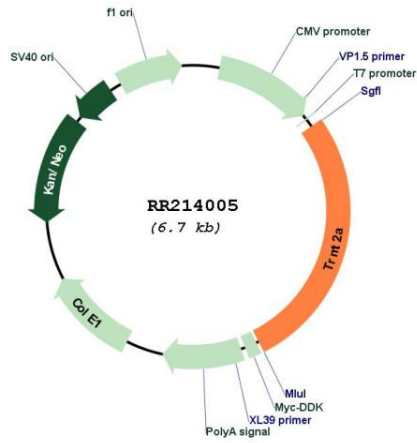
RefSeq ORF: 1848 bp

Locus ID: 287953

Cytogenetics: 11q23

MW: 67.9 kDa

Product images:



Circular map for RR214005