

Product datasheet for **RG200966**

HTF9C (TRMT2A) (NM_182984) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HTF9C (TRMT2A) (NM_182984) Human 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:

>RG200966 representing NM_182984
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGTGAGAACCTCGACAACGAGGGCCGAAGCCCATGGAGAGCTGTGGCCAGGAGAGCAGCAGTGCC
 TGAGCTGCCCTACCGTCTCGGTGCCCTGCAGCCCCGGCAGCCCTGGAGGAGGTGGAGAAAAGGGGCGC
 TGGGGCGGCTACAGGGCCGGGGCTCAGCCCGGCTCTACAGCTACATCAGGGATGACTTGTTTACCTCT
 GAGATCTTTAAACTGGAGCTGCAGAACGTGCCTCGCCACGCCAGCTTCAGCGACGTCGCGCCTTCTG
 GCCGCTTTGGTCTGCAGCCCCACAAAACAAACTTTTGGCAACCACCCTGCGCCTTTGTGACATTCCG
 CAGCGCTGCAGAGAGGGACAAGGCCCTGCGCGTTTTGCATGGTGCCTCTGGAAAGGCCGCCACTCAGT
 GTGCGCTGGCCCGCCAAAGGCCGACCCATGGCCAGGAGGAGGCGACAGGAGGTGAGAGTGAGCCAC
 CAGTAACACGAGTGGCCGACGTGGTACCCCTCTATGGACAGTGCCTATGCTGAGCAGCTTGAGCGGAA
 GCAGCTGGAGTGGAGCAGGTGCTGCAGAACTTGCCAAGGAAATCGGGAGCACCAACCGTGCCTTGCTG
 CCCTGGCTGCTCGAGCAGAGGCACAAGCACAACAAGGCCCTGCTGCCCGCTGGAGGGGGTCAAGCCATCAC
 CCCAGCAGACTGAGTATCGTAATAAGTGTGAGTTTCTGGTTGGCGTCGGGTGGATGGGGAGGATAACAC
 CGTGGGCTGTGCGCTCGGCAAGTACAAGGGCGGGACGTGTGCTGTGGCAGCCCCGTTTGACACCGTGAC
 ATCCCCGAAGCCACCAAGCAGGTGGTGAAGGCCTTCCAGGAGTTCATCCGGTCCACTCCATACTCGGCAT
 ACGACCCAGAGACGTACACAGGCCACTGGAAGCAGCTGACTGTGCGCACCAGCCCGCCACCAGGCCAT
 GGCCATTGCCACTTCCACCCCAAGAAGCTGAGCCCTGAGGAGCTGGCAGAGCTGAAGACCTCCCTAGCG
 CAGCAGCTTACAGCAGGGCCAGGCAGGGCCAGTGGAGTGCCTGCCTCTACTTCTGTTGGAGAGGGACAGC
 GAAAGACTCCTAGCCAGGAGGGCTGCCCTGGAGCATGTGGCTGGGGACCGGTGCATCCACGAGGACCT
 GCTAGGGCTGACCTTCCGGATCTCTCCACACGCCCTTCTCCAGGTGAACACACCCCGAGCCGAGGTGCTC
 TACACAGTCATCCAGGACTGGGCCAAATTGGATGCGGGGAGCATGGTGTGGACGTGTGCTGTGGCACC
 GCACCATTTGGCTGGCCCTGGCCCGGAAGGTAAGAGGGTCATTGGGGTCGAGCTATGCCAGAGGCTGT
 GGAGGACGCCCGGTGAACGCCAGGACAATGAGTTGAGTAATGTGGAGTCCACTGCGGGAGGGCCGAG
 GACCTGGTGGCCACCCTGGTGGCAGACTGGCCTCCAGCACCTCGTGGCCATCCTGGACCACCCCGTG
 CTGGCTTGCAATCAAGGTGATCCTGGCCATCCGGAGAGCTAAGAACCTCAGGCGGCTGCTGTACGTCTC
 ATGCAACCCCGGGCAGCCATGGGCAACTTTGTGGACCTCTGCAGAGCCCATCTAACCGGTGAAGGGC
 ATTCCTTCCGGCCGGTCAAGGCTGTGGCAGTGGACCTGTCCCGCAGACCCCGACTGTGAGATGCTCA
 TCCTGTTTGGAGGGTGGAGCACCCCAATGGCACAGGGGTCTTGGGGCCACAGCCCTCCAGCTCAACC
 CACACCAGGACCCCAAGATAACACCCCTACAAGAACTGGGACCTTCCCCTCATCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG200966 representing NM_182984
 Red=Cloning site Green=Tags(s)

MSENLDNEGPKPMESCGQESSALSCPTVSVPPAAPAALEEVEKEGAGAATGPGPQPGLYSYIRDDLFTS
 EIFKLELQNVPRHASFSDVRRFLGRFGLQPHKTKLFGQPPCAFVTFRCAAERDKALRVLHGALWGRPLS
 VRLARPKADPMARRRRQEGESEPPVTRVADVVTPLWTPVYAEQLERKQLECEQVLQKLAKEIGSTNRALL
 PWLLEQRHKHNKACPLEGVRPSPQQTEYRNKCEFLVGVGVDGEDNTVGCRLGKYKGGTCAVAAPFDTVH
 IPEATKQVVKAFQEFIRSTPYSAYDPETYTGHWKQLTVRTSRRHQAMAIAYFHPQKLSPEELAEKLSLA
 QHFTAGPGRASGVTCLYFVEEGQRKTPSQEGLPLEHVAGDRCIHEDLLGLTFRISPHAFFQVNTPAEVL
 YTVIQDWAQLDAGSMVLDVCCGTGTIGLALARKVKRIVGVELCPEAVEDARVNAQDNELSNVEFHCGRAE
 DLVPTLVSRLASQHLVAILDPPRAGLHSHKVIILAIRRAKNLRRLLYVSCNPRAAMGNFVLDLCRAPSNRVK
 IPFRPVKAVAVDLFPQTPHCEMLILFERVEHPNGTGVLGPHSPPAQPTGPPDNTLQETGTFFPS

TRTRPLE - GFP Tag - V

Restriction Sites:

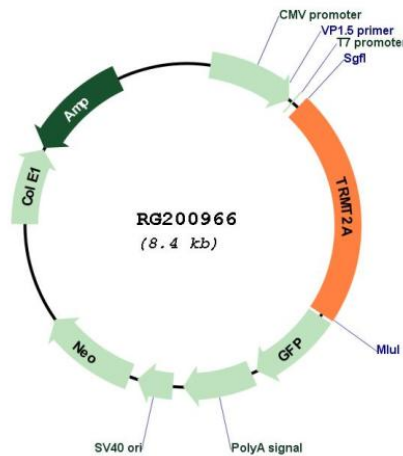
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_182984
 ORF Size: 1875 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:	NM_182984.5
RefSeq Size:	2793 bp
RefSeq ORF:	1878 bp
Locus ID:	27037
UniProt ID:	Q8IZ69
Cytogenetics:	22q11.21
Protein Families:	Druggable Genome
Gene Summary:	The protein encoded by this gene is of unknown function. However, it is orthologous to the mouse Trmt2a gene and contains an RNA methyltransferase domain. Expression of this gene varies during the cell cycle, with aberrant expression being a possible biomarker in certain breast cancers. Several transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Apr 2012]