

Product datasheet for **RG234441**

HTF9C (TRMT2A) (NM_001257994) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HTF9C (TRMT2A) (NM_001257994) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HTF9C
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:

>RG234441 representing NM_001257994
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGTGAGAACCTCGACAACGAGGGCCCGAAGCCCATGGAGAGCTGTGGCCAGGAGAGCAGCAGTGCC
 TGAGCTGCCCTACCGTCTCGGTGCCCTGCAGCCCCGGCAGCCCTGGAGGAGGTGGAGAAAAGAGGGCGC
 TGGGGCGGCTACAGGGCCGGGGCTCAGCCCGGCTCTACAGCTACATCAGGGATGACTTGTTTACCTCT
 GAGATCTTTAAACTGGAGCTGCAGAACGTGCCTCGCCACGCCAGCTTCAGCGACGTCGCGCCTTCTGG
 GCCGTTTGGTCTGCAGCCCCACAAAACAAACTTTTGGCAACCACCCTGCGCCTTTGTGACATTCCG
 CAGCGCTGCAGAGAGGGACAAGGCCCTGCGCGTTTTGCATGGTGCCTCTGGAAAGGCCGCCACTCAGT
 GTGCGCTGGCCCGCCCAAGGCCGACCCATGGCCAGGAGGAGGCGACAGGAGGTGAGAGTGAGCCAC
 CAGTAACACGAGTGGCCGACGTGGTACCCCTCTATGGACAGTGCCTATGCTGAGCAGCTTGAGCGGAA
 GCAGCTGGAGTGCAGCAGGTGCTGCAGAACTTGCCAAGGAAATCGGGAGCACCAACCGTGCCTTGCTG
 CCTGGCTGCTCGAGCAGAGGCACAAGCACAACAAGGCCCTGCTGCCCGCTGGAGGGGGTCAAGCCATCAC
 CCCAGCAGACTGAGTATCGTAATAAGTGTGAGTTTCTGGTTGGCTCGGGGTGGATGGGGAGGATAACAC
 CGTGGGCTGTGGCTCGGCAAGTACAAGGGCGGGACGTGTGCTGTGGCAGCCCCGTTTGACACCGTGAC
 ATCCCCGAAGCCACCAAGCAGGTGGTGAAGGCCTTCCAGGAGTTCATCCGGTCCACTCCATACTCGGCAT
 ACGACCCAGAGACGTACACAGGCCACTGGAAGCAGCTGACTGTGCGCACCAGCCCGCCACCAGGCCAT
 GGCCATTGCCTACTTCCACCCCAAGCTGAGCCCTGAGGAGCTGGCAGAGCTGAAGACCTCCCTAGCG
 CAGCAGCTTACAGCAGGGCCAGGCAGGGCCAGTGGAGTACCTGCCTCTACTTCGTGGAGGAGGGACAGC
 GAAAGACTCCTAGCCAGGAGGGCCTGCCCTGGAGCATGTGGCTGGGGACCGGTGCATCCACGAGGACCT
 GCTAGGGCTGACCTCCGGATCTCTCCACACGCCCTTCTTCCAGGTGAACACACCCGACGCCGAGGTGCTC
 TACACAGTCATCCAGGACTGGGCCAATTGGATGCGGGGAGCATGGTGTGGACGTGTGCTGTGGCACC
 GCACCATTTGGCTGGCCCTGGCCCGAAGGTAAGAGGGTCATTGGGGTGGAGCTATGCCAGAGGCTGT
 GGAGGACGCCCGGTGAACGCCAGGACAATGAGTTGAGTAATGTGGAGTCCACTGCGGGAGGGCCGAG
 GACCTGGTGGCCACCCTGGTGGCAGACTGGCCTCCAGCACCTCGTGGCCATCCTGGACCCACCCCGTG
 CTGGCTTGCATTCAAGGTGATCCTGGCCATCCGGAGAGCTAAGAACCCTAGGCGGCTGCTGTACGTCTC
 ATGCAACCCCGGGCAGCCATGGGCAACTTTGTGGACGCCCCCTTTTCCCCCACAGCCTCTGCAGAGC
 CCCATC

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG234441 representing NM_001257994
 Red=Cloning site Green=Tags(s)

MSENLDNEGPKPMESCGQESSALSCPTVSVPPAAPAALEEVEKEGAGAATGPGPQPLYSYIRDDLFTS
 EIFKLELQNVPRHASFSDVRRFLGRFGLQPHKTKLFGQPFCFVTFRSAERDKALRVLHGALWKRPLS
 VRLARPKADPMARRRRQEGESEPPVTRVADVVTPLWTVPYAEQLERKQLECEQVLQKLAKEIGSTNRALL
 PWLLEQRHKHNKACCPLEGVVRSPQQTEYRNKCEFLVGVGVDGEDNTVGCRLGKYKGGTCAVAAPFDTVH
 IPEATKQVVKAFQEFIRSTPYSAYDPETYTGHWKQLTVRTRRRHQAMAIYFHPQKLSPEELAEKLSLA
 QHFTAGPGRASGVTCLYFVEEQQRKTPSQEGLPLEHVAGDRCIHEDLLGLTFRISPHAFFQVNTPAAEVL
 YTVIQDWAQLDAGSMVLDVCCGTGTIGLALARKVKRVIGVELCPEAVEDARVNAQDNELSNVEFHCGRAE
 DLVPTLVSRLASQHLVAILDPPRAGLHASKVILAIRRAKNLRRLLYVSCNPRAAMGNFVDAPLFPPQPLQS
 PI

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001257994

ORF Size: 1686 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_001257994.2](#)

RefSeq Size: 3003 bp

RefSeq ORF: 1689 bp

Locus ID: 27037

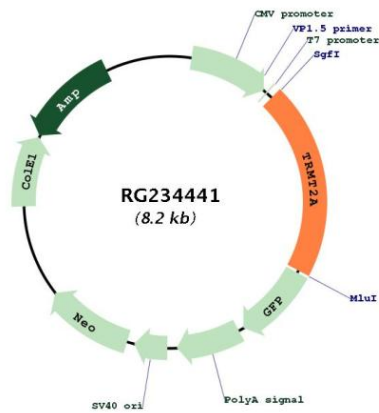
UniProt ID: [Q8IZ69](#)

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]

Product images:



Circular map for RG234441