

Product datasheet for **SC112468**

HTF9C (TRMT2A) (NM_022727) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HTF9C (TRMT2A) (NM_022727) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRMT2A
Synonyms:	HTF9C
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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Fully Sequenced ORF: >NCBI ORF sequence for NM_022727, the custom clone sequence may differ by one or more nucleotides

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ATGAGTGAGAACCTCGACAACGAGGGCCCCGAAGCCCATGGAGAGCTGTGGCCAGGAGAGCAGCAGTGCC
TGAGCTGCCCTACCGTCTCGGTGCCCTCGAGCCCGGCAGCCCTGGAGGAGGTGGAGAAAGAGGGCGC
TGGGGCGGCTACAGGGCCGGGCTCAGCCCGGCTCTACAGCTACATCAGGGATGACTTGTTTACCTCT
GAGATCTTTAAACTGGAGCTGCAGAACGTGCCTCGCCACGCCAGCTTCAGCGACGTCGGGGCTTCTGG
GCCGCTTTGGTCTGCAGCCCCACAAAACAAACTCTTTGGGAACCAACCTGCGCCTTTGTGACATTCCG
CAGCGCTGCAGAGAGGGACAAGGCCCTGCGCGTTCATGGTGCCTCTGGAAAGGCCGCCACTCAGT
GTGCGCTGGCCCGCCAAAGGCCGACCCATGGCCAGGAGGAGGCGACAGGAGGTGAGAGTGAGCCAC
CAGTAACACGAGTGGCCGACGTGGTACCCCTCTATGGACAGTGCCTATGCTGAGCAGCTTGAGCGAA
GCAGCTGGAGTGCAGCAGGTGCTGCAGAACTGCCAAGGAAATCGGGAGCACCAACCGTGCCTTGCTG
CCCTGGCTGCTCGAGCAGAGGCACAAGCACAACAAGGCCCTGCTGCCCGCTGGAGGGGGTCAGGCCATC
CCCAGCAGACTGAGTATCGTAATAAGTGTGAGTTTCTGGTTGGCGTCGGGGTGGATGGGGAGGATAAC
CGTGGGCTGTCGGCTCGGCAAGTACAAGGGCGGGACGTGTGCTGTGGCAGCCCCGTTGACACCGTGCAC
ATCCCCGAAGCCACCAAGCAGGTGGTGAAGGCCTTCCAGGAGTTCATCCGGTCCACTCCATACTCGGCAT
ACGACCCAGAGACGTACACAGGCCACTGGAAGCAGCTGACTGTGCGCACCAGCCGCCACCAGGCCAT
GGCCATTGGCTACTTCCACCCCAAGAAGCTGAGCCCTGAGGAGCTGGCAGAGCTGAAGACCTCCCTAGCG
CAGCACTTACAGCAGGGCCAGGCAGGGCCAGTGGAGTACCTGCCTCTACTTCGTGGAGGAGGGACAGC
GAAAGACTCCTAGCCAGGAGGGCCTGCCCTGGAGCATGTGGCTGGGGACCGGTGCATCCACGAGGACCT
GCTAGGGCTGACCTCCGGATCTCTCCACACGCCTTCTCCAGGTGAACACACCCGACCCGAGGAGTCTC
TACAGTCAATCCAGACTGGGCCAATTGGATGCGGGGAGCATGGTGTGGAGTGTGCTGTGGCACC
GCACCATTTGGCCTGGCCCTGGCCCGGAAGGTAAGAGGGTCAATGGGGTGGAGTATGCCAGAGGCTGT
GGAGGACGCCCGGTGAACGCCAGGACAATGAGTTGAGTAATGTGGAGTCCACTGCGGGAGGGCCGAG
GACCTGGTGGCCACCCTGGTGGCAGACTGGCCTCCAGCACCTCGTGGCCATCCTGGACCCACCCCGTG
CTGGCTTGCAATCCAAGGTGATCCTGGCCATCCGGAGAGCTAAGAACCTCAGGCGGCTGTGTACGTCTC
ATGCAACCCCGGGCAGCCATGGGCACTTTGTGGACCTTGCAGAGCCCATCTAACCGGGTGAAGGGC
ATTCCTTCCGGCCGGTCAAGGCTGTGGCAGTGGACCTGTTCCCGCAGACCCCGCACTGTGAGATGCTCA
TCCTGTTTGGAGGGTGGAGACCCCAATGGCACAGGGGTCTTGGGGCCCCACAGCCCTCCAGCTCAACC
CACACCAGGACCCCAAGATAACACCTACAAGAACTGGGACCTTCCCCTCATCTAG
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_022727 unedited

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CCATAATTCACCCGCCCGTTGAACGCAAATGGGCGGTAGGCGTGTACGGTGGGAGGTCT
ATATAAGCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAG
CGGCCGGAATTCGGCACGAGGGGCGAAGCGAGCGGCCGGCGGGGCCCTGGCGGGCGG
GCGGTACAGCCCCAAGCCTGAGACCCGGACCTGAGCATCGCAGGTTGAGTCCC GCCCG
CCTGGGGCGAAGCCGGGGGTGGCGGCGACCTCGCGGCGTTGCACCGGCTCTGTGAGCACC
TCCCCTTGAGCACTTCCCTTGTGACAGGCCACTTCCCTTGTGACAGGCCAGGACGAGG
TGGCCAGGCGGCCCATGGCGTCCCTGGTCTAGGCGGAGAACCCTGGGCGATGAGTG
AGAACCTCGACAACGAGGGCCCCAAGCCATGGAGAGCTGTGGCCAGGAGAGCAGCAGTG
CCCTGAGCTGCCCTACCGTCTCGGTGCCCTGCAGCCCCGCGAGCCCTGGAGGAGGTGG
AGAAAGAGGGCGCTGGGGCGGCTACAGGGCCGGGCTCAGCCCGGGCTCTACAGCTACA
TCAGGGATGACTTGTTTACCTCTGAGATCTTTAAACTGGAGCTGCAGAACGTGCCTCGCC
ACGCCAGCTTCAGCGACGTCGGGCGCTTCTGGGCGCTTTGGTCTGCAGCCCCACAAA
CCAAACTCTTTGNGCAACCCTTGCCTTTGTGACATTCGCAGCGCTGCAGAGAGGG
ACAAGGCCCTGCGGTTATGCATGGTGCCTCTGGGAAGGCCGCCACTCAGTGTGCGCC
TGGCCCGGCCAGGCCGACCCATGGCCTAGAGGAGCTACAGGAGGTGAGAGTGAGCCA
CCAT
    
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Restriction Sites: NotI-NotI

ACCN:	NM_022727
Insert Size:	2500 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_022727.4 , NP_073564.3
RefSeq Size:	2917 bp
RefSeq ORF:	1878 bp
Locus ID:	27037
UniProt ID:	Q8IZ69
Cytogenetics:	22q11.21
Domains:	RRM
Protein Families:	Druggable Genome
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (a). Variants 1 and 2 both encode the same isoform (a).</p>