

Product datasheet for **RC221181**

HTF9C (TRMT2A) (NM_022727) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HTF9C (TRMT2A) (NM_022727) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HTF9C
Synonyms:	HTF9C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC221181 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTGAGAACCTCGACAACGAGGGCCGAAGCCCATGGAGAGCTGTGGCCAGGAGAGCAGCAGTGCC
 TGAGCTGCCCTACCGTCTCGGTGCCCCCTGCAGCCCCGGCAGCCCTGGAGGAGGTGGAGAAAAGAGGGCGC
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Protein Sequence:

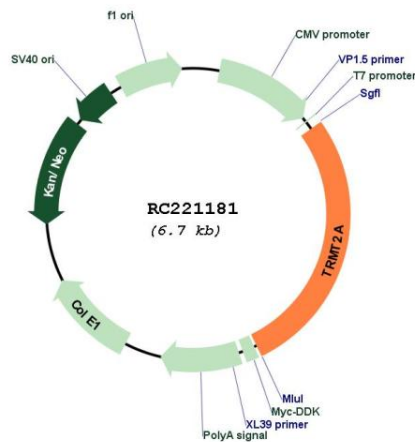
>RC221181 protein sequence
 Red=Cloning site Green=Tags(s)

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 PWLLEQRHKHNAKCCPLEGVRPSPQQTETRNKCEFLVGVGVDGEDNTVGCRLGKYKGGTCAVAAPFDTVH
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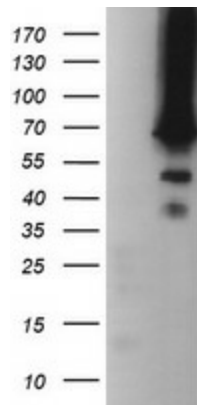
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Locus ID:	27037
UniProt ID:	Q8IZ69
Cytogenetics:	22q11.21
Domains:	RRM
Protein Families:	Druggable Genome
MW:	68.7 kDa
Gene Summary:	The protein encoded by this gene is of unknown function. However, it is orthologous to the mouse <i>Trmt2a</i> gene 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]

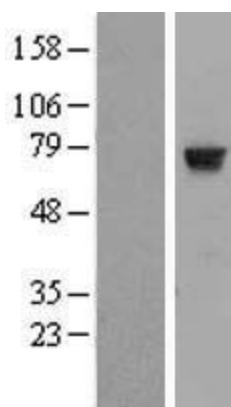
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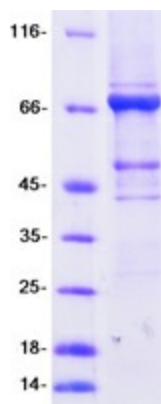
Circular map for RC221181



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY TRMT2A (Cat# RC221181, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TRMT2A (Cat# [TA505555]). Positive lysates [LY411594] (100ug) and [LC411594] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY411594]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC221181 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TRMT2A protein (Cat# [TP321181]). The protein was produced from HEK293T cells transfected with TRMT2A cDNA clone (Cat# RC221181) using MegaTran 2.0 (Cat# [TT210002]).