

## Product datasheet for RC201373

### HENMT1 (NM\_144584) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HENMT1 (NM_144584) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HENMT1
Synonyms:	C1orf59; HEN1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC201373 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGAAGAAAATAATCTACAGTGCAGTAGTGTGGTTGACGGTAATTTTGAAGAAGTTCCAGGGAGACGG  
CAATTCAGTTTAAACCTCCACTATACAGACAGCGGTACCAGTTCGTTAAAAATTTAGTGGATCAACATGA  
GCCTAAGAAGGTTGCAGACCTGGGATGTGGTGATACTTCACTCTTAAGGCTGCTAAAAGTCAATCCATGC  
ATTGAATTGCTTGTGGAGTAGATTAATGAGGATAAAATACGATGGAGAGGGGATTTCGTTAGCTCCTT  
TCCTGGGGGATTTCTGAAACCTCGGGATCTGAATTTGACCATCACATTGTATCATGGCTCCGTTGTGGA  
GAGAGACTCTCGTTTGTGGATTTGACTTGATAACGTGTATTGAATTAATAGAACATTTGGATTACGGT  
GATCTGGCCAGATTTCTGAAGTGGTATTTGGGTACCTGTCTCCATCCATGATTGTCATCAGCACACCAA  
ACTCTGAATTCATCCCTGTTTCCATCAGTGACCTTAAGAGATTGAGATCATAAATTTGAGTGGACCAG  
AATGGAGTTTCAGACCTGGGCTTTATATGTGGCAAATCGCTATGATTACTCTGTGGAGTTTACTGGTGTC  
GGGGAACCACCAGCTGGAGCTGAGAATGTTGGATACTGTACCCAGATAGGAATCTCCGGAAAAATGGAG  
GAAAGGCAACAGAATCATGTCTTCAGAGCAGCATGATCAGCATGTTTATAAAGCTGTTTTTACCACCTC  
ATACCCAAGCTTACAGCAGGAAAGGTTCTTTAACTTGTGTTGGTTAATGAGGTGTCCCAACAAGTGGAA  
AGCTTAAGAGTGAGCCACCTGCCAAGGCGGAAAGAACAGGCTGGGGAACGGGGTGATAAGCCCAAGACA  
TTGGTGGCTCAAAGGCCCTGTCCCATGCTTTGGACCAGTCTTACAGAGGTTGAGAAGGCCAAGATAGA  
GAACTCTCCACACCCTTCTGTGTTGGAGATAAATTTTTTCGTACCTCTGCAGAGACTCCTTGCATATCCC  
AAGTTGAACCGCTTATGTGCTAATGAAGAGATTATGAGATCAGTCATTGCTGACTCAATTCCTCTGAGCA  
GTGATGGTTCTGCAGTGGTGGCTGACCTGCGTAATTTTTTGATGAACAGTTTGGATTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_144584.2](#)

**RefSeq Size:** 1890 bp

**RefSeq ORF:** 1182 bp

**Locus ID:** 113802

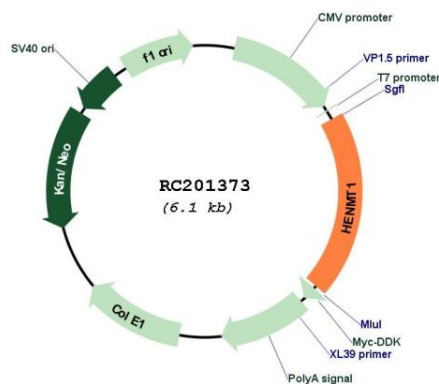
**UniProt ID:** [Q5T8I9](#)

**Cytogenetics:** 1p13.3

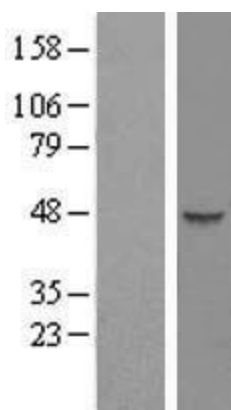
**MW:** 44.5 kDa

**Gene Summary:** Methyltransferase that adds a 2'-O-methyl group at the 3'-end of piRNAs, a class of 24 to 30 nucleotide RNAs that are generated by a Dicer-independent mechanism and are primarily derived from transposons and other repeated sequence elements. This probably protects the 3'-end of piRNAs from uridylation activity and subsequent degradation. Stabilization of piRNAs is essential for gametogenesis.[UniProtKB/Swiss-Prot Function]

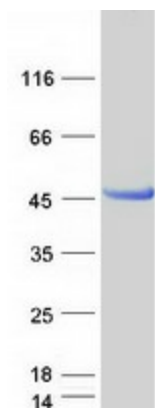
### Product images:



Circular map for RC201373



Western blot validation of overexpression lysate (Cat# [LY420162]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC212823] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified HENMT1 protein (Cat# [TP301373]). The protein was produced from HEK293T cells transfected with HENMT1 cDNA clone (Cat# RC201373) using MegaTran 2.0 (Cat# [TT210002]).