

Product datasheet for **RN209061**

Henmt1 (NM_001037655) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Henmt1 (NM_001037655) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Henmt1
Synonyms:	RGD1306230
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN209061 representing NM_001037655 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGTCGAAAACCAATGGAACGGCAGAAAACATACCGTGCAGTATGCTTGGTGATAATTTCAAAG
AAGTTTGTGCAGAGAAGTAATTAGGTTTCAGGCCGCCATTATACAACAACGGTACCAGTTCTGTTAGAGA
TTTAGTGGATCGCCATGAACCAAGAAGTTGCAGACCTGGGATGTGGTATACCAAGCTCCTAAAGCTG
CTAAAAATCTACCCATGCATTAGCTGCTTGTGGGGTGGATATCAATGAGGAAAAATTGCATTCAAATG
GGCATCGCTTGTCTCCCTATTTGGGGAGTTTCGTAAAACCCCGAGATCTAGATTTGACTGTCACCTTGTA
TCATGGCTCTGTTGTGGAGAGAGACTCGCGCTTGCCTGGATTTCGATTTGATAACATGCATTGAATTAATA
GAACATCTGGATTGAGATGATCTGGCCAGATTTCTGAAGTGGTTTTTGGATACCTGTCACCGCCATGG
TTGTATCAGCACACCAATGCTGAGTTCAACCCCTGTTTCTACAGTGACCCTGAGGGACGCCGATCA
TAAGTTTGTAGTGGAGCAGAAATGGAGTTTCAGACCTGGGCTTCACAGGTGGCAAATGCTACAATTACTGT
GTGGAGTTCAGTGGGGTGGGACACCCCGAGCTGGATCTGAGCATGTTGGATATTGACCCAGATAGGTG
TCTTTAGGAAAAACGGTGGGAAGCTCTCTGAGCCCTCTGCTTCCAGCAGCGTGACCAGCATGTTTATAA
AGCTGTTTATAACAACCTCCTACCCGAGTTTACAGCAGGAGAAGGTGCTCAAGTTTGTACTGGTTGGGGAA
CTCCTGATACAAGTGGACCGCTGAGGCTGAGACACCAGAGAATGCTGCGGGAACAGGAGAAGGAGCGGG
GCCCTAAGCCCTGGTACACGGACTCCTCCAGCCCCCACCCTACTGTTGGGAGCAGTCTTCACAGAGGC
CGAGAAGGCCAGGATAGAAAATTCTCCAAACCTTCTGTGAAGGAGAGAAGTTTACATACCCCTGCAG
AGACTGCTCACTTACCCAAACTGCACCGGCTGTGTGCTGACGAAGACAGGATGCGGTCCCTCATCGCTG
ACTCGGTGTGCTTAAGCAGTGATGGTTCCGAGTCGTGGTTGACCTCCATAATTCTGGGATTATCGGCC
TGAGGATAACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001037655
Insert Size:	1203 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:	<u>NM_001037655.1</u> , <u>NP_001032744.2</u>
RefSeq Size:	1693 bp
RefSeq ORF:	1203 bp
Locus ID:	100363095
UniProt ID:	<u>Q32PY6</u>
Cytogenetics:	2q41
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]