

## Product datasheet for MC227475

### Henmt1 (NM\_001078646) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Henmt1 (NM\_001078646) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Henmt1  
**Synonyms:** 4921515J06Rik; Hen1; mHEN1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC227475 representing NM\_001078646  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGAAATGGCAGAAAGCATACCGTGAATAGTGTGGTTGGTGGCAATTTAAAGAAGTTAGTCCAGAGA  
 AGGTAATTCGGTTCAAACCACCATTATACAAACAACGGTATCAGTTTGTAGAGATTTAGTGATCGCCA  
 TGAACCAAGAAGGTTGCCGACCTGGGATGTGGAGATGCCAAGCTCTAAAGCTGCTAAAAATCTACCCA  
 TGCAATCAACTGCTTGTGGGGTGGATATCAATGAAGAAAAATTGCATCAATGGGCATCGCTTGTCTC  
 CCTATTTGGGGGAGTTTGTAAAACCCCGAGATCTAGATTTGACTGTCACCTTGTATCATGGCTCTGTTGT  
 GGAGAGAGACTCCCGCTTGGTGGATTGATTTGATAACATGCATTGAATTAATAGAACACTTGGATTCA  
 GATGATCTGGCCAGATTTCTGATGTGGTTTTTGGATACCTGTCACCAGCCATGGTTGTCATCAGCACCC  
 CAAATGCTGAATCAACCCCTGTTTCTACAGTCACCTGAGGGACGCCGACCATAAATTTGAGTGGAG  
 CAGAAATGGAGTTTCAGACCTGGGCTTTACACGTGGCAAAGTGTACAATTACCGTGTGGAGTTTACTGGG  
 GTAGGGACACCGCCAGCTGGATCTGAGCATGTTGGATTTGTACCCAGATAGTGTCTTTACAAAGAATG  
 GCGGGAAGCTCTAAACCTTCGGTTTTCCAGCAGTGTGACCAGCAGTTTATAAACCTGTTTATACAAC  
 CTCTACCCGAGTTTACAGCAGGAGAAGGTGCTCAAGTTTGTCTGGTTGGGGAACCTCTGATACAAGTG  
 GACCGACTGAGGCTGAGATACCAGAGAATGCTGCGGGACCGGGAAGGACCGGGCCCTAAGCCAGGGG  
 ACATGGACTCCTGCCAGCCCCACACCTACTGTTGGGAGCAGTCTTACGGAGGCTGAAAAGGCCAGGAT  
 AGAAAGTTCTCCAAACCTTCTGTGAAGGAGAGAAGTTTTACATACCCCTGCAGAGACTGCTCACTTAC  
 CCCAAACTGCACCGCTGTGTGCTGATGAGGACAGGGTGCCTCCTCATTGCTGACTCGGTTTGTCTTAA  
 GCAGTGATGGCTCCGAGTCGTGGTTGACCTGCATAATTCTTGGGATTATCGGCCGAAGAGAAC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI



<b>ACCN:</b>	NM_001078646
<b>Insert Size:</b>	1188 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001078646.1</a></u> , <u><a href="#">NP_001072114.1</a></u>
<b>RefSeq Size:</b>	1806 bp
<b>RefSeq ORF:</b>	1188 bp
<b>Locus ID:</b>	66715
<b>UniProt ID:</b>	<u><a href="#">Q8CAE2</a></u>
<b>Cytogenetics:</b>	3 F3
<b>Gene Summary:</b>	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]