

## 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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC227475 representing NM_001078646 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAATGGCAGAAAGCATACCGTGCAATAGTGTGGTTGGTGGCAATTTAAAGAAGTTAGTCCAGAGA  
 AGGTAATTCGGTTCAAACCACCATTATACAAACACGGTATCAGTTTGTTAGAGATTTAGTGGATCGCCA  
 TGAACCCAAGAAGGTTGCCGACCTGGGATGTGGAGATGCCAAGCTCCTAAAGCTGCTAAAAATCTACCCA  
 TGCATTCAACTGCTTGTGGGGTGGATATCAATGAAGAAAAATTGCATTCAAATGGGCATCGCTTGTCTC  
 CCTATTTGGGGGAGTTTGTAAAACCCCGAGATCTAGATTTGACTGTCACCTTGTATCATGGCTCTGTTGT  
 GGAGAGAGACTCCCGCTTGCTTGGATTGATTTGATAACATGCATTGAATTAATAGAACACTTGGATTCA  
 GATGATCTGGCCAGATTTCTGATGTGGTTTTTGGATACCTGTCACCGCCATGGTTGTCATCAGCACCC  
 CAAATGCTGAATTCACCCCTGTTTCTACAGTCACCCCTGAGGGACGCCGACCATAAATTTGAGTGGAG  
 CAGAAATGGAGTTTCAGACCTGGGCTTTACACGTGGCAACTGCTACAATTACCGTGTGGAGTTTACTGGG  
 GTAGGGACACCGCCAGCTGGATCTGAGCATGTTGGATATTGTACCCAGATAGGTGCTTTACAAAGAATG  
 GCGGGAAGCTCTCTAAACCTTCGGTTTCCAGCAGTGTGACCAGCACGTTTATAAACCTGTTTATACAAC  
 CTCCTACCCGAGTTTACAGCAGGAGAAGGTGCTCAAGTTTGTCTGGTTGGGAACTCCTGATACAAGTG  
 GACCGACTGAGGCTGAGATACCAAGAGAATGCTGCGGGACCGGAGAAGGACCGGGGCCCTAAGCCAGGGG  
 ACATGGACTCCTGCCAGCCCCACCTACTGTTGGGAGCAGTCTTACGGAGGCTGAAAAGGCCAGGAT  
 AGAAAGTTCTCCCAAACCTTCTGTGAAGGAGAGAAGTTTACATACCCCTGCAGAGACTGCTCACTTAC  
 CCCAACTGCACCGCCTGTGTGCTGATGAGGACAGGGTGCAGTCCCTCATTGCTGACTCGGTTTGCTTAA  
 GCAGTGATGGCTCCGCAGTCGTGGTTGACCTGCATAATTCTTGGGATTATCGGCCGAAGAGAAC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA


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<b>Restriction Sites:</b>	Sgfl-Mlul
<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>NM_001078646.1, NP_001072114.1</u>
<b>RefSeq Size:</b>	1806 bp
<b>RefSeq ORF:</b>	1188 bp
<b>Locus ID:</b>	66715
<b>UniProt ID:</b>	<u>Q8CAE2</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]