

Product datasheet for MC210422

Henmt1 (NM_025723) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Henmt1 (NM_025723) 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: >MC210422 representing NM_025723
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAAATGGCAGAAAGCATACCGTGAATAGTGTGGTTGGTGGCAATTTAAAGAAGTTAGTCCAGAGA
 AGGTAATTCGGTTCAAACCACCATTATACAAACAACGGTATCAGTTTGTAGAGATTTAGTGATCGCCA
 TGAACCAAGAAGGTTGCCGACCTGGGATGTGGAGATGCCAAGCTCTAAAGCTGCTAAAAATCTACCCA
 TGCATTCAACTGCTTGTGGGGTGGATATCAATGAAGAAAAATTGCATTCAAATGGGCATCGCTTGTCTC
 CCTATTTGGGGGAGTTTGTAAAACCCCGAGATCTAGATTTGACTGTCACCTTGTATCATGGCTCTGTTGT
 GGAGAGAGACTCCCGCTTGTGGATTGATTTGATAACATGCATTGAATTAATAGAACACTTGGATTCA
 GATGATCTGGCCAGATTTCTGATGTGGTTTTTGGATACCTGTCACCAGCCATGGTTGTCATCAGCACCC
 CAAATGCTGAATCAACCCCTGTTTCTACAGTCACCCTGAGGGACGCCGACCATAAATTTGAGTGGAG
 CAGAAATGGAGTTTCAGACCTGGGCTTTACACGTGGCAAAGTGTACAATTACCGTGTGGAGTTTACTGGG
 GTAGGGACACCGCCAGCTGGATCTGAGCATGTTGGATATTGTACCCAGATAGTGTCTTTACAAAGAATG
 GCGGGAAGCTCTCAAACCTTCGGTTTTCCAGCAGTGTGACCAGCAGTTTATAAACCTGTTTATACAAC
 CTCCTACCCGAGTTTACAGCAGGAGAAGGTGCTCAAGTTTGTCTGGTTGGGGAACCTCTGATACAAGTG
 GACCGACTGAGGCTGAGATACCAGAGAATGCTGCGGGACCGGGAAGGACCGGGCCCTAAGCCAGGGG
 ACATGGACTCCTGCCAGCCCCACACCTACTGTTGGGAGCAGTCTTACGGAGGCTGAAAAGGCCAGGAT
 AGAAAGTTCTCCAAACCTTCTGTGAAGGAGAGAAGTTTTACATACCCCTGCAGAGACTGCTCACTTAC
 CCCAAACTGCACCGCTGTGTGCTGATGAGGACAGGGTGCCTCCTCATTGCTGACTCGGTTTGTCTTAA
 GCAGTGATGGCTCCGAGTCGTGGTTGACCTGCATAATTCTTGGGATTATCGGCCGAAGAGAAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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|-------------------------------|---|
| ACCN: | NM_025723 |
| Insert Size: | 1188 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_025723.2</u> , <u>NP_079999.2</u> |
| RefSeq Size: | 2121 bp |
| RefSeq ORF: | 1188 bp |
| Locus ID: | 66715 |
| UniProt ID: | <u>Q8CAE2</u> |
| Cytogenetics: | 3 F3 |
| 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] |