

## Product datasheet for **RN201640**

### Hnmt (NM\_031044) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Hnmt (NM\_031044) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Hnmt  
**Synonyms:** MGC105411  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >RN201640 representing NM\_031044  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCATCTTTCATGAGGAGCTTATTTTCTGACCACAGCAGATATGTTGAATCTTTTCGGAGATTCTAA  
ATAATTCAACGGAAACACCAGTGCATGCAGGAATTCATGGATAAGAAGCTTCCAGGCATAATAGCAAGGAT  
TGGAGAAACAAAAGCAGAAATTAAGATTCTGAGTATAGGCGGAGGTGCAGGTGAAATTGACCTTCAGATT  
CTCTCAAAGTCCAGGCTCAGTACCCAGGAATCTGTATTAACAATGAAGTTGTAGAGCCAAATGCCGAAC  
AAATTGTCAAGTACAAAGAGCTGTAGCAAAGACATCAAACATGGAGAACATAAAATTTGCTTGGCATAA  
GGAGACATCATCTGAATATCAAAAACGTGTAGTGGAAAGAAGACGAAGAACCTCCAAAGTGGGACTTTATT  
CATATGATTGAGATGCTATATTATGTAAGGATATCCCAGCCACCCTGAAATTTCTCCACGGTCTCTTAG  
CTGCCAATGCTAAAATTCTCATTATTCTTGTGTCAGGAACTAGTGGCTGGGAAAAGCTATGGAAAAATA  
TGGATTCCGCCTACCCAGGGATGACCTCTGCCAGTATGTCACATCTTCTGATCTTGCTCAGATACTGGAC  
GACCTGGGTATTAAGTATGAATGTTACGACCTTTTGTCCACTATGGACATAACAGACTGTTTTATTGATG  
GTAATGAAAATGGAGACCTGCTTTGGGATTTTTGACAGAAACCTGCACTTTATCAAAACAGCACCCT  
GGACCTCAAAGAGGAAATTAAGAAATCTTCAAGAGCCTGAATTTAGTGTTAAGAAAGAGGGGAAGGTA  
CTTTTCAACAACAATCTGAGTTTTATAGTGTTGAGGCAATGTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI  
**ACCN:** NM\_031044  
**Insert Size:** 888 bp



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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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>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>                | <a href="#">NM_031044.3</a> , <a href="#">NP_112306.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>RefSeq Size:</b>           | 1225 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>RefSeq ORF:</b>            | 888 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Locus ID:</b>              | 81676                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>UniProt ID:</b>            | <a href="#">Q01984</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Cytogenetics:</b>          | 3p13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Gene Summary:</b>          | catalyzes the conversion of S-adenosyl-L-methionine and histamine to S-adenosyl-L-homocysteine and N(T) methylhistamine [RGD, Feb 2006]                                                                                                                                                                                                                                                                                                                                                                           |