

Product datasheet for **RR201640**

Hnmt (NM_031044) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hnmt (NM_031044) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hnmt
Synonyms:	MGC105411
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR201640 representing NM_031044 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCATCTTTCATGAGGAGCTTATTTTCTGACCACAGCAGATATGTTGAATCTTTTCGGAGATTTCTAA
ATAATTCAACGGAACACCAGTGCATGCAGGAATTCATGGATAAGAAGCTTCCAGGCATAATAGCAAGGAT
TGGAGAAACAAAAGCAGAAATTAAGATTCTGAGTATAGGCGGAGGTGCAGGTGAAATTGACCTTCAGATT
CTCTCAAAGTCCAGGCTCAGTACCCAGGAATCTGTATTAACAATGAAGTTGTAGAGCCAAATGCCGAAC
AAATTGTCAAGTACAAAGAGCTTGTAGCAAAGACATCAAACATGGAGAACATAAAATTTGCTTGGCATAA
GGAGACATCATCTGAATATCAAAAACGTGTAGTGAAGAAGACGAAGAACCTCCAAAGTGGGACTTTATT
CATATGATTGAGATGCTATATTATGAAAGGATATCCCAGCCACCCTGAAATTTCTCCACGGTCTCTTAG
CTGCCAATGCTAAAATTCATTATTCTGTGTGTCAGGAAGTGTGGTGGGAAAAGCTATGGAAAAAATA
TGGATTCGCTACCCAGGGATGACCTCTGCCAGTATGTCACATCTTCTGATCTTGCTCAGATACTGGAC
GACCTGGGTATTAAGTATGAATGTTACGACCTTTTGTCCACTATGGACATAACAGACTGTTTTATTGATG
GTAATGAAAAATGGAGACCTGCTTTGGGATTTTTGACAGAAACCTGCAACTTTATCAAAACAGCACCCT
GGACCTCAAAGAGGAAATTATGAAAGATCTTCAAGAGCCTGAATTTAGTGTTAAGAAAAGAGGGGAAGGTA
CTTTTCAACAACATCTGAGTTTTATAGTGTTGAGGCAATGTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR201640 representing NM_031044
Red=Cloning site Green=Tags(s)

MASFMRSLSFDHSRYVESFRRLNNSTEHQCMQEFMDKKLPGIIARIGETKAEIKILSIGGGAGEIDLQI
 LSKVQAQYPGICINNEVVEPNAEQIVKYKELVAKTSNMENIKFAWHKETSSEYQKRVEEDEPPKWDFI
 HMIQMLYYVKDIPATLKFFHGLLAANAKILIIIVSGTSGWEKLWKYGFRLPRDDLQYVTSDDLQILD
 DLGIKYECYDLLSTMDITDCFIDGNENGDLLWDFLTETCNFIKTAPLDLKEEIMKDLQEPEFSVKKEGKV
 LFNNNLSFIVVEANV

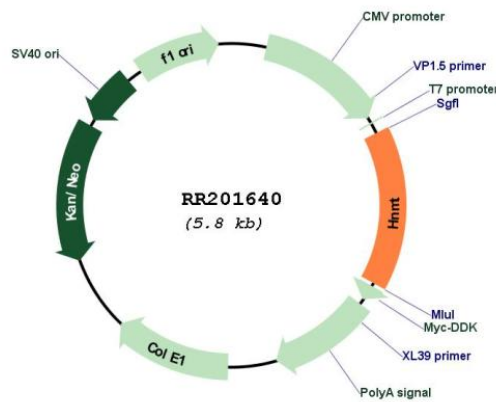
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_031044

ORF Size: 885 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_031044.3 , NP_112306.1
RefSeq Size:	1225 bp
RefSeq ORF:	888 bp
Locus ID:	81676
UniProt ID:	Q01984
Cytogenetics:	3p13
MW:	33.9 kDa
Gene Summary:	catalyzes the conversion of S-adenosyl-L-methionine and histamine to S-adenosyl-L-homocysteine and N(T) methylhistamine [RGD, Feb 2006]