

Product datasheet for **SC204791**

HNMT (NM_001024074) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	HNMT (NM_001024074) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	HNMT
Synonyms:	HMT; HNMT-S1; HNMT-S2; MRT51
ACCN:	NM_001024074
Insert Size:	346 bp
Insert Sequence:	>SC204791 3'UTR clone of NM_001024074 The sequence shown below is from the reference sequence of NM_001024074. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAA GCGATCGCC ATAATAGGAAGATACCAGAATTGCTGT TA CAAATAAAATACTGGCCAGATGTGTTGGTTACGCCTGT AATCCTAGCACTTCGGGAGGCTGAGGCGGGAGGATTACTTGAGCCTAGGAGTTTGAGACCAGCCTGGGC AACATAGCAAGATCCCATCTCTACAAAAAGTGAAAAAGTTAGCTGAACAAGGCGCATGCACATGCTA CTCCAGACGCTGAAGTGGGAAGTCACTTAAGTCCGAGAGATCGAGGCTTCAGTGAGATATGGCTGAGA CACTGCTCTCAGCCTGGATGACAGAGTGAGAACCTGTCTCAAACAAGAGAAAAATAAATCAAATGCTA ACGCGT AAGCGGCCGCGCATCTAGATTCTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_001024074.3</u>



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Summary:

In mammals, histamine is metabolized by two major pathways: N(tau)-methylation via histamine N-methyltransferase and oxidative deamination via diamine oxidase. This gene encodes the first enzyme which is found in the cytosol and uses S-adenosyl-L-methionine as the methyl donor. In the mammalian brain, the neurotransmitter activity of histamine is controlled by N(tau)-methylation as diamine oxidase is not found in the central nervous system. A common genetic polymorphism affects the activity levels of this gene product in red blood cells. Multiple alternatively spliced transcript variants that encode different proteins have been found for this gene. [provided by RefSeq, Jul 2008]

Locus ID: 3176

MW: 13.1