

Product datasheet for **MG204072**

Hnmt (NM_080462) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hnmt (NM_080462) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hnmt
Synonyms:	1500031F01Rik; AI788969
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204072 representing NM_080462 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCATCTTGCATGAGGAGCTTATTTCTGACCAAGGCAGATACGTAGAATCTTTTCGGAGTTTCTAA
ATAATTCCACGGAACACCAGTGCATGCAGGAATTCATGGATAAGAAGCTTCGGGCATAATAGCAAGGAT
TGGAGAAGCAAAGCAGAAATTAAGATTCTGAGTGTAGGCGGAGGTGCAGGTGAAGTTGACCTTCAAATT
CTTTCAAAGTCCAGGCTCAATACCCAGGAATCTGTATTAACAATGAAGTTGTTGAGCCAAGTGCTGAAC
AAATTGTCAAGTACAAAGAGCTTGTAGCCAAGACATCAAACATGGAGAACATAAAATTTCTTGGCACAA
GGAGACATCATCTGAATATCAAAAACGTATGCTGGAAGAAGAAGAAGAGCCACCGAAGTGGGACTTTATT
CATATGATTGAGATGCTGTATTATGTAAAGGATATCCAGCCACCCTGAAATTTTCCATGGTCTCTTAG
CTGCCAGTGCTAAAATTCTCATTATTCTTGTGTCAGGAACTAGTGGCTGGGAAAAGCTATGGAAAAGTA
TGGATCCCGCCTACCGAGGGATGACCTCTGCCAGTATGTCACATCTTCTGATCTTGCGCAGATACTGGAT
GACCTGGGTATTAAGTATGAATGCTACGACCTTGTGCCACCATGGACATAACAGACTGTTTTATTGATG
GTAATGAAAATGGAGACCTGCTTTGGGATTTTTGACAGAAACCTGTAACCTTAGCAAAACAGCACCCT
GGATCTCAAAGCAGAAATTAAGAAAGATCTTCAAGAGCCTGAATTTAGTGTAAAGAAAGAGGGGAAGGTA
CTTTTTAATAAATCTGAGTTTCATAGTGTTGAGGCAATGTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204072 representing NM_080462
Red=Cloning site Green=Tags(s)

MASCMRSLFSDQGRYVESFRRFLNNSTEHQCMQEFMDKKLPGIARIGEAKAEIKILSVGGGAGEVDLQI
 LSKVQAQYPGICINNEVVEPSAEQIVKYKELVAKTSNMENIKFSWHKETSSEYQKRMLEEEEEPPKWDFI
 HMIQMLYYVKDIPATLKFHGLLAASAKILIIIVSGTSGWEKLWKYGSRLPRDDLQYVTSDDLAQILD
 DLGIKYECYDLVSTMDITDCFIDGNENGDLLWDFLTETCNFSKTAPLDLKAIEIMKDLQEPEFSVKKEGKV
 LFNNLSFIVVEANV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_080462

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:

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_080462.2](#), [NP_536710.1](#)

RefSeq Size: 1655 bp

RefSeq ORF: 888 bp

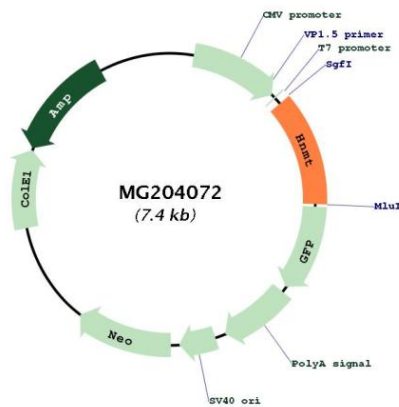
Locus ID: 140483

UniProt ID: [Q91VF2](#)

Cytogenetics: 2 A3

Gene Summary: Inactivates histamine by N-methylation. Plays an important role in degrading histamine and in regulating the airway response to histamine.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG204072