

## Active Recombinant Human HNMT protein, His-tagged

**Cat. No.** HNMT-22H    **Lot. No.** (See product label)

### SPECIFICATION

|                             |                                                                                                                                                              |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant Human HNMT(Ala2-Ala292) fused with an N-terminal HM and 6-His tag was expressed in E. coli.                                                      |
| <b>Species</b>              | Human                                                                                                                                                        |
| <b>Source</b>               | E.coli                                                                                                                                                       |
| <b>ProteinLength</b>        | 2-292 a.a.                                                                                                                                                   |
| <b>Predicted N Terminal</b> | His (of HM) and Ser7                                                                                                                                         |
| <b>Form</b>                 | Supplied as a 0.2 µm filtered solution in Tris, NaCl and Glycerol.                                                                                           |
| <b>Bio-activity</b>         | Measured by its ability to methylate histamine. The specific activity is >425 pmol/min/µg.                                                                   |
| <b>Molecular Mass</b>       | Predicted Molecular Mass: 34 kDa;SDS-PAGE: 32-36 kDa, reducing conditions.                                                                                   |
| <b>Endotoxin</b>            | <0.10 EU per 1 µg of the protein by the LAL method.                                                                                                          |
| <b>Purity</b>               | >90%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain at 5 µg per lane                                               |
| <b>Storage</b>              | Avoid repeated freeze-thaw cycles.6 months from date of receipt, -70 centigrade as supplied.3 months, -70 centigrade under sterile conditions after opening. |

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## GENE INFORMATION

|                            |                                                                                                                                                                                               |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | HNMT histamine N-methyltransferase [ Homo sapiens ]                                                                                                                                           |
| <b>Official Symbol</b>     | HNMT                                                                                                                                                                                          |
| <b>Synonyms</b>            | HNMT; histamine N-methyltransferase; HMT; HNMT-S1; HNMT-S2;                                                                                                                                   |
| <b>Gene ID</b>             | 3176                                                                                                                                                                                          |
| <b>mRNA Refseq</b>         | NM_001024074                                                                                                                                                                                  |
| <b>Protein Refseq</b>      | NP_001019245                                                                                                                                                                                  |
| <b>MIM</b>                 | 605238                                                                                                                                                                                        |
| <b>UniProt ID</b>          | P50135                                                                                                                                                                                        |
| <b>Chromosome Location</b> | 2q22.1                                                                                                                                                                                        |
| <b>Pathway</b>             | Histidine metabolism, organism-specific biosystem; Histidine metabolism, conserved biosystem; histamine degradation, organism-specific biosystem; histamine degradation, conserved biosystem; |
| <b>Function</b>            | histamine N-methyltransferase activity; methyltransferase activity; transferase activity;                                                                                                     |

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