

## Recombinant Mouse Bhmt Protein, MYC/DDK-tagged

Cat. No. Bhmt-709M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of full-length mouse betaine-homocysteine methyltransferase, complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Involved in the regulation of homocysteine metabolism. Converts betaine and homocysteine to dimethylglycine and methionine, respectively. This reaction is also required for the irreversible oxidation of choline.
<b>Molecular Mass</b>	45 kDa
<b>Purity</b>	>80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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## GENE INFORMATION

**Gene Name** [Bhmt betaine-homocysteine methyltransferase \[ Mus musculus \(house mouse\) \]](#)

**Official Symbol** [Bhmt](#)

**Synonyms** [Bhmt](#); betaine-homocysteine methyltransferase; betaine--homocysteine S-methyltransferase 1; EC 2.1.1.5

**Gene ID** [12116](#)

**mRNA Refseq** [NM\\_016668](#)

**Protein Refseq** [NP\\_057877](#)

**UniProt ID** [O35490](#)

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