

Recombinant Mouse Bhmt2 Protein, His-tagged

Cat. No. Bhmt2-317M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Bhmt2 Protein (Met1-Ala363) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Ala363
Description	Predicted to enable S-methyltransferase activity and zinc ion binding activity. Predicted to be involved in L-methionine salvage; S-adenosylmethionine metabolic process; and S-methylmethionine metabolic process. Predicted to act upstream of or within methionine biosynthetic process. Is expressed in several structures, including alimentary system and liver. Orthologous to human BHMT2 (betaine--homocysteine S-methyltransferase 2).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 43.6 kDa Accurate Molecular Mass: 44 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Bhmt2 betaine-homocysteine methyltransferase 2 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Bhmt2
Synonyms	BHMT2; betaine-homocysteine methyltransferase 2; S-methylmethionine--homocysteine S-methyltransferase BHMT2; SMM-hcy methyltransferase; betaine--homocysteine S-methyltransferase 2; C81077; D13Ucla2
Gene ID	64918
mRNA Refseq	NM_022884
Protein Refseq	NP_075022
UniProt ID	Q91WS4

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