

## Recombinant Rat Bhmt2 Protein, His-tagged

Cat. No. Bhmt2-318R Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Bhmt2 Protein (Met1-Ala363) with N-His tag was expressed in E. coli.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	Met1-Ala363
<b>Description</b>	Predicted to enable S-methylmethionine-homocysteine S-methyltransferase activity; betaine-homocysteine 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. Orthologous to human BHMT2 (betaine-homocysteine S-methyltransferase 2).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 43.6 kDa Accurate Molecular Mass: 44 kDa
<b>Purity</b>	> 90%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by

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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 S-methyltransferase 2 [ *Rattus norvegicus* (Norway rat) ]

**Official Symbol**

Bhmt2

**Synonyms**

BHMT2; betaine-homocysteine S-methyltransferase 2; S-methylmethionine--homocysteine S-methyltransferase BHMT2; SMM-hcy methyltransferase; betaine-homocysteine methyltransferase 2; betaine--homocysteine S-methyltransferase 2

**Gene ID**

365972

**mRNA Refseq**

NM\_001014256

**Protein Refseq**

NP\_001014278

**UniProt ID**

Q68FT5

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