

# 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<br>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                                                                                                                                                                                                                                                                                              |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA