Recombinant Rat Bhmt2 Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Rat Bhmt2 Protein (Met1-Ala363) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Met1-Ala363
Description	Predicted to enable S-methylmethionine-homocysteine S-methyltransferase activity; b etaine-homocysteine S-methyltransferase activity; and zinc ion binding activity. Predic ted 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).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 43.6 kDa Accurate Molecular Mass: 44 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	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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