Recombinant Rat Bhmt Protein, His-tagged

Cat. No. Bhmt-316R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Bhmt Protein (Arg11-Leu314) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Arg11-Leu314
Description	Enables betaine-homocysteine S-methyltransferase activity. Involved in methionine biosynthetic process; protein methylation; and response to organonitrogen compound. Located in cytosol. Part of protein-containing complex. Orthologous to human BHMT (betaine--homocysteine S-methyltransferase).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 37.1 kDa Accurate Molecular Mass: 37 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 accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	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	Bhmt betaine-homocysteine S-methyltransferase [Rattus norvegicus (Norway rat)]
Official Symbol	Bhmt
Synonyms	BHMT; betaine-homocysteine S-methyltransferase; betaine--homocysteine S-methyltransferase 1; betaine-homocysteine methyltransferase
Gene ID	81508
mRNA Refseq	NM_030850
Protein Refseq	NP_110477
UniProt ID	O09171

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA