

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

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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

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