Recombinant Human BHMT Protein, His-tagged

Cat. No. BHMT-488H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BHMT(Lys11~Leu314) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Lys11~Leu314
Description	This gene encodes a cytosolic enzyme that catalyzes the conversion of betaine and homocysteine to dimethylglycine and methionine, respectively. Defects in this gene could lead to hyperhomocyst(e)inemia, but such a defect has not yet been observed.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	37.2kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	> 98%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.
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.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	BHMT betaine--homocysteine S-methyltransferase [Homo sapiens]
Official Symbol	BHMT
Synonyms	BHMT; betaine--homocysteine S-methyltransferase; betaine--homocysteine S-methyltransferase 1; betaine homocysteine methyltransferase; BHMT1;
Gene ID	635
mRNA Refseq	NM_001713
Protein Refseq	NP_001704
MIM	602888
UniProt ID	Q93088

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