

Recombinant Human BHMT 293 Cell Lysate

Cat. No. BHMT-8458HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for betaine-homocysteine methyltransferase (BHMT) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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

Chromosome Location 5q13.1-q15

Pathway Cysteine and methionine metabolism, organism-specific biosystem; Cysteine and methionine metabolism, conserved biosystem; Glycine, serine and threonine metabolism, organism-specific biosystem; Glycine, serine and threonine metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of amino acids and derivatives, organism-

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	specific biosystem;
Function	betaine-homocysteine S-methyltransferase activity; betaine-homocysteine S-methyltransferase activity; homocysteine S-methyltransferase activity; metal ion binding; methyltransferase activity; protein complex binding; transferase activity; zinc ion binding;