

# Recombinant Full Length Human BHMT Protein, GST-tagged

Cat. No. BHMT-1621HF    Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human BHMT full-length ORF ( AAH12616, 1 a.a. - 406 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	406 amino acids
<b>Description</b>	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.
<b>Form</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Molecular Mass</b>	70.40 kDa
<b>AA Sequence</b>	MPPVGGKKAK KGILERLNAG EIVIGDGGFV FALEKRGYVK AGPWTPEAAV EHPEAVRQLH REFLRAGSNV MQTFTFYASE DKLENRGNVY LEKISGQEVN EAACDIARQV ADEGDALVAG GVSQTPSYLS CKSETEVKKV FLQQLEVFMK KNVDFLIAEY FEHVEEAVWA VETLIASGKP VAATMCIGPE GDLHGVPPGE CAVRLVKAGA SIIGVNCHFD PTISLKTIVKL MKEGLEAARL KAHLMSQPLA YHTPDCNKQG FIDLPEFPFG LEPRVATRWD IQKYAREAYN LGVRYIGGCC GFEPYHIRAI AEELAPERGF LPPASEKHGS WSGGLDMHTK PWVRARARKE YWENLRIASG RPYNPSMSKP DGWGVTKGTA ELMQQKEATT EQQLKELFEK

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**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## 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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