

Recombinant Human BHMT2 Protein, GST-tagged

Cat. No. BHMT2-215H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human BHMT2 full-length ORF (NP_060084.2, 1 a.a. - 363 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	Homocysteine is a sulfur-containing amino acid that plays a crucial role in methylation reactions. Transfer of the methyl group from betaine to homocysteine creates methionine, which donates the methyl group to methylate DNA, proteins, lipids, and other intracellular metabolites. The protein encoded by this gene is one of two methyl transferases that can catalyze the transfer of the methyl group from betaine to homocysteine. Anomalies in homocysteine metabolism have been implicated in disorders ranging from vascular disease to neural tube birth defects such as spina bifida.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	66.8 kDa
AA Sequence	MAPAGRPGAKKGILERLESGEVVIGDGSFLITLEKRGYVKAGLWTPEAVIEHPDAVR QLHMEFLRAGSNVMQTFSTASEDNMESKWEDVNAAACDLAREVAGKGDALVAG GICQTSIYKYQKDEARIKKLFRQQLEVFawkNVDFLIAEYFEHVVEEAVWAVEVLKESD RPVAVTMCIGPEGDMHDITPGECAVRLVKAGASIVGVNCRFGPDTSLKTMELMKEG LEWAGLKAHLMVQPLGFHAPDCGKEGFVDLPEYPFGLESRVATRWDIQKYAREAY

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NLGVRYIGGCCGFEPYHIRAIAEELAPERGFLPPASEKHGSGGLDMHTKPWIRA
RARREYWENLLPASGRPFPCPSLSKPDF

Notes	Best use within three months from the date of receipt of this protein.
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	BHMT2 betaine--homocysteine S-methyltransferase 2 [Homo sapiens]
Official Symbol	BHMT2
Synonyms	BHMT2; betaine--homocysteine S-methyltransferase 2; S-methylmethionine--homocysteine S-methyltransferase BHMT2; SMM-hcy methyltransferase; betaine-homocysteine methyltransferase 2; FLJ20001;
Gene ID	23743
mRNA Refseq	NM_001178005
Protein Refseq	NP_001171476
MIM	605932
UniProt ID	Q9H2M3

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