

Recombinant Full Length Human BHMT2 Protein, GST-tagged

Cat. No. BHMT2-1622HF 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	In Vitro Cell Free System
ProteinLength	363 amino acids
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	MAPAGRPGAK KGILERLESG EVVIGDGSFL ITLEKRGYVK AGLWTPEAVI EHPDAVRQLH MEFLRAGSNV MQTFTFSASE DNMESKWEDV NAAACDLARE VAGKGDALVA GGICQTSIYK YQKDEARIKK LFRQQLEVFA WKNVDFLIAE

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YFEHVVEEAVW AVEVLKESDR PVAVTMCIGP EGDMDITPG ECAVRLVKAG
 ASIVGVNCRF GPDTSLKTME LMKEGLEWAG LKAHLMVQPL GFHAPDCGKE
 GFVDLPEYPF GLESRVATRW DIQKYAREAY NLGVRYIGGC CGFEPYHIRA
 IAEELAPERG FLPPASEKHG SWGSGLDMHT KPWIRARARR EYWENLLPAS
 GRPFCPSLSK PDF

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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