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BHMT2, 1-363aa, Human, His tag, E.coli

产品货号: TP01333

第三版

别名:S-methylmethionine-homocysteine S-methyltransferase BHMT2 isoform 1 , betaine--homocysteine S-methyltransferase 2

描述:BHMT2 is involved in the regulation of homocysteine metabolism. 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. BHMT2 is one of two methyl transferases that can catalyze the transfer of the methyl group from betaine to homocysteine. Recombinant human BHMT2 protein, fused to His-tag at N-terminus, was expressed in E.coli.

配方:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

分子量:42.7 kDa (386aa)

序列:

MGSSHHHHHSSGLVPRGSHMGSMAPAGRPGAKKGILERLESGEVVIGDGSFLITLEKRGYVKAGLWTPEAVIEHPDAVR
QLHMEFLRAGSNVMQTFTFSASEDNMESKWEDVNAAACDLAREVAGKGDALVAGGICQTSIYKYQKDEARIKKLFRQQ
LEVFAWKNVDFLIAEYFEHVVEEAVWAVEVLKESDRPVAVTMCIGPEGMDHDITPGECAVRLVKAGASIVGVNCRFGPDT
SLKTMELMKEGLEWAGLKAHLMVQPLGFHAPDCGKEGFVDLPEYFPGLESRVATRWDIQKYAREAYNLGVRYIGGCCG
FEPYHIRAIAEELAPERGFLPPASEKHGSWGSLDMHTKPWIRARARREYWENLLPASGRPFPCPSLSKPDF

纯度:> 95% by HPLC

浓度:0.5 mg/ml (determined by Bradford assay)

内毒素:<1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.