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BHMT Human

Catalog #:ENPS-299

For research use only.

Description: Betaine Homocysteine S-Methyltransferase Human Recombinant fused to His Tag at N-terminal produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 443 amino acids (21-236) and having a molecular mass of 49.2 kDa. The BHMT is purified by proprietary chromatographic techniques.

Synonyms:BHMT, Betaine Homocysteine S-Methyltransferase 1, BHMT1.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear colorless solution 1 mg/ml.

Amino Acid Sequence:MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMPP VGGKKAKKGI LERLNAGEIV IGDGGFVFAL EKRGYVKAGP WTPEAAVEHP EAVRQLHREF LRAGSNVMQT FTFYASEDKL ENRGNYVLEK ISGQEVNEAA CDIARQVADE GDALVAGGVS QTPSYLSCKS ETEVKKVFLQ QLEVFMKKNV DFLIAEYFEH VEEAVWAVET LIASGKPVAA TMCIGPEGDL HG

Purity: Greater than 95.0% as determined by(a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Formulation:
The BHMT solution contains 20mM Tris-HCl pH-7.5 and 20% glycerol.

Stability:
BHMT Recombinant Human althoμgh stable at 4°C for 30 days, should be stored desiccated below -20°C for periods greater than 30 days. Please avoid freeze-thaw cycles.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
Betaine-homocysteine methyltransferase (BHMT) is a cytosolic enzyme that catalyzes the conversion of betaine and homocysteine to dimethylglycine and methionine, respectively. BHMT displays differential expression in a model of liver cirrhosis.

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