

Product Data Sheet

□ Cat # RP-379 Recombinant Human Betaine-Homocysteine Methyltransferase **Size:** □ 10 ug

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.

Source: *Escherichia Coli*. 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. The BHMT solution contains 20mM Tris-HCl pH-7.5 and 20% glycerol.

Applications and Suggested Dilutions: Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE. Users must optimize the appropriate concentration and conditions for each assay.

Storage and Stability: BHMT Recombinant Human although 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.** If supplied in powder then reconstitute it in 100 ul water for 1 mg/ml stock and store in liquid at 4oC for ~1 week or aliquots in suitable size and store at -20oC for long term storage.

Usage: This item is for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

RP-379 110207V

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