

BHMT (Betaine-homocysteine methyltransferase) Human, His- tag, Recombinant E.coli

Cat.NO.: TP01332

3th Edition

Synonyms: Betaine-homocysteine methyltransferase.

Description: 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.

Form: Liquid. In 20 mM Tris-HCl buffer (pH 7.5) containing 20% glycerol

Molecular Weight: 49.2 kDa (443 aa), confirmed by MALDI-TOF

Sequences:

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSHPMPVGGKKAKKGILERLNAGEIVIGDGGFVFALEKR
GYVKAGPWTPEAAVEHPEAVRQLHREFLRAGSNVMQTFTFYASEDKLENRGNVYVLEKISGQEVNEAACDIARQVA
DEGDALVAGGVSQTPSYLSCKSETEVKKVFLQQLEVFMKKNVDFLIAEYFEHVVEEAVWAVETLIASGKPVAATMCIG
PEGDLHGVPVPGECAVRLVKAGASIIGVNCHFDPTISLKTVKLMKEGLEAARLKAHLMSQPLAYHTPDCNKQGFIDLP
EFPFGLERPVATRWDIQKYAREAYNLGVRYIGGCCGFEPYHIRAIAEELAPERGFPPASEKHGSWGSGGLDMHTKP
WVRARARKEYWENLRIASGRPYNPSMSKPDGWGVTKGTAELMQQKEATTEQQLKELFEKQKFKSQ

Purity: > 95% by HPLC

Concentration: 1 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 µg of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.