

BHMT (Betaine-homocysteine methyltransferase) Recombinant Protein | BHMT recombinant protein

BHMT (Betaine-homocysteine methyltransferase), 1-406 aa, Human, His tag, E Coli

CATALOG # AAA48469	HOST E Coli	APPLICATIONS SDS-Page
------------------------------	-----------------------	---------------------------------

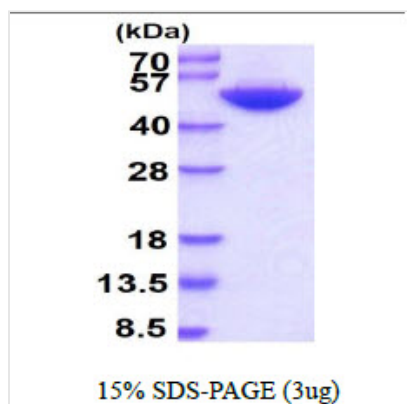
PRODUCT SYNONYMS

BHMT (Betaine-homocysteine methyltransferase); 1-406 aa; Human; His tag; E Coli; Betaine-homocysteine methyltransferase; BHMT; EC 2.1.1.5; Betaine--homocysteine S-methyltransferase 1; Betaine-homocysteine methyltransferase Betaine homocysteine methyltransferase; Betaine homocysteine S methyltransferase; Betaine homocysteine S methyltransferase 1; BHMT1; ; BHMT recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. 20mM Tris pH7.5, 20% glycerol.
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHPMP VGGKKAKKGI LERLNAGEIV IGDGGFVFAL EKRGYVKAGP WTPEAAVEHP EAVRQLHREF LRAGSNVMQT FTFYASEDKL ENRGNYVLEK ISGQEVNEAA CDIARQVADE GDALVAGGVS QTPSYLSCKS ETEVKKVFLQ QLEVFMKKNV DFLIAEYFEH VEEAVWAVET LIASGKPVA TMCIGPEGDL HGVPPGECV RLVKAGASII GVNCHFDPTI SLKTVKLMKE GLEAARLKAH LMSQPLAYHT PDCNKQGFID LPEFPFGLP RVATRWDIQK YAREAYNLGV RYIGGCCGFE PYHIRAIAEE LAPERGLPP ASEKHGSWGS GLDMHTKPWW RARARKEYWE NLRIASGRPY NPSMSKPDGW GVTKGTAEML QQKEATTEQQ LKELFEKQKF KSQ
Sequence Length	406
Applicable Applications for BHMT recombinant protein	SDS-PAGE
Tag Information	His-tag
Preparation and Storage	For long term storage, aliquot and store at -20 degree C or -80 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for BHMT recombinant protein	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. Recombinant human BHMT, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for BHMT recombinant protein	Enzymes & Proteases
References	Nandita, et al., Protein Expr Purif (2002) 25:73-80; Breksa, A P et al., Biochemistry (1999) 38:13991-8

NCBI AND UNIPROT INFORMATION

NCBI GI #	157266337
NCBI GeneID	635
NCBI Accession #	NP_001704
NCBI GenBank Nucleotide #	NM_001713.2
UniProt Accession #	Q93088; Q9UNI9
Molecular Weight	49.2 kDa (443 aa), confirmed by MALDI-TOF.
NCBI Official Full Name	betaine--homocysteine S-methyltransferase 1
NCBI Official Synonym Full Names	betaine--homocysteine S-methyltransferase
NCBI Official Symbol	BHMT
NCBI Official Synonym Symbols	BHMT1; HEL-S-61p
NCBI Protein Information	betaine--homocysteine S-methyltransferase 1
UniProt Protein Name	Betaine--homocysteine S-methyltransferase 1
UniProt Gene Name	BHMT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.