

Recombinant Human Bleomycin Hydrolase, His-tagged

Cat. No. BLMH-802H **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant human BLMH protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. MW = 54.7 kDa(475aa), confirmed by MALDI-TOF.

Species Human

Source E.coli

Description BLMH is a member of the papain superfamily of the cysteine protease and the peptidase C1 family. It is a cytoplasmic cysteinepeptidase commonly found as a homohexamer. The normal physiological role of BLMH is unknown, but it protects normal and malignant cells from the glycopeptide antitumor drug BLM. It catalyzes the inactivation of the antitumor drug BLM (a glycopeptide) by hydrolyzing the carboxyamide bond of its B-aminoalaninamide moiety and also shows general aminopeptidase activity.

Sequences Of Amino Acids MGSSHHHHHH SSGLVPRGSH MSSSGLNSEK VAALIQKLNS DPQFVLAQNV
 GTTHDLLDIC LKRATVQRAQ HVFQHAVPQE GKPITNQKSS GRCWIFSCLN
 VMRLPFMKKL NIEEFESQS YLFFWDKVER CYFFLSAFVD TAQRKEPEDG
 RLVQFLLMNP ANDGGQWDML VNIVEKYGVI PPKCFPESYT TEATRRMNDI
 LNHKMREFCI RLRNLVHSGA TKGEISATQD VMMEEIFRVV CICLGNPPET
 FTWEYRDKDK NYQKIGPITP LEFYREHVKP LFNMEDKICL VNDPRPQHKY
 NKLYTVEYLS NMVGGRKTLY NNQPIDFLKK MVAASIKDGE AVWFGCDVGK
 HFNSKLGLSD MNLYDHELVE GVSLKMNKA ERLTFGESLM THAMTFTA VS

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EKDDQDGAFT KWRVENSWGE DHGHKGYLCM TDEWFSEYVY EVVVDRKHVP
EEVLAVLEQE PIILPAWDPM GALAE

Purity > 90% by SDS – PAGE.

Form Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 10% Glycerol.

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

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.

GENE INFORMATION

Gene Name [BLMH bleomycin hydrolase \[Homo sapiens \]](#)

Synonyms BLMH; bleomycin hydrolase; BH; BMH; BLM hydrolase; EC 3.4.22.40

Gene ID [642](#)

mRNA Refseq [NM_000386](#)

Protein Refseq [NP_000377](#)

MIM [602403](#)

UniProt ID [Q13867](#)

Chromosome Location 17q11.2

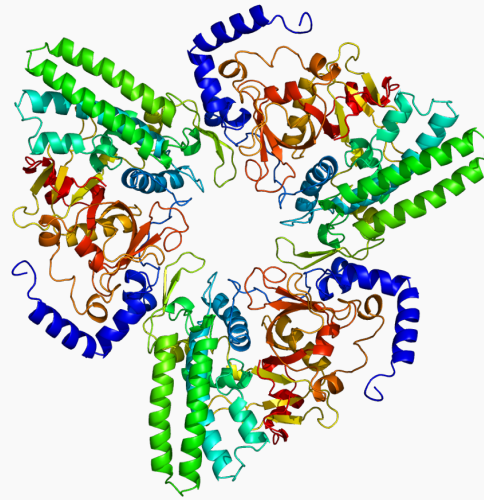
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Function

aminopeptidase activity; carboxypeptidase activity; cysteine-type endopeptidase activity; cysteine-type peptidase activity; peptidase activity; protein binding



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