

Bleomycin Hydrolase Active Protein | BLMH active protein

Recombinant Human Bleomycin Hydrolase

CATALOG # AAA38866	HOST E Coli
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PRODUCT SYNONYMS

Bleomycin Hydrolase; Recombinant Human Bleomycin Hydrolase; BLMH Human; Bleomycin Hydrolase Human Recombinant; BMH; BH; BLM hydrolase; BLMH active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	The BLMH protein solution (1mg/1ml) is formulated in 20mM Tris-HCl Buffer (pH 8.0) and 10% Glycerol. Sterile Filtered clear solution.
Sequence	MGSSHHH HHHSSGLVPR GSHMSS SGLNSEKVAA LIQKLNSDPQ FVLAQNVGTT HDLLDICLKR ATVQRAQHVF QHAVPQEGKP ITNQKSSGRC WIFSCLNVMR LPFMKKLNIE EFESQSYLF FWDKVERCYF FLSAFVDTAQ RKEPEDGRLV QFLLMNPAND GGQWDMLVNI VEKYGVIPKK CFPESYTTEA TRRMNDILNH KMREFCIRLR NLVHSGATKG EISATQDVMM EEIFRVVCIC LGNPPETFTW EYRDKDKNYQ KIGPITPLEF YREHVKPLFN MEDKICLVND PRPQHKYNKL YTVEYLSNMV GGRKTLYNNQ PIDFLKKMVA ASIKDGEAVW FGCDVGKHFN SKLGLSDMNL YDHELVEFGVS LKNMNKAERL TFGESLMTHA MTFTAVSEKD DQDGAFTKWR VENSWGEDHG HKGYLCMTDE WFSEYVYEVV VDRKHPPEEV LAVLEQEPPII LPAWDPMGAL AE
Sequence Length	455
Biological Activity	Specific activity: > 1,000 pmole/min/ug. Measured by the hydrolysis of Met-AMC at pH 7.5, at 37C.
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time. Please avoid freeze thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for BLMH active protein	Description: BLMH produced in E Coli is a single, non-glycosylated polypeptide chain containing 475 amino acids (1-455a.a.) and having a molecular mass of 54.7kDa. BLMH is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Introduction: BLMH is affiliate to the papain superfamily of the cysteine protease and the peptidase C1 family. BLMH is a cytoplasmic cysteinepeptidase usually found as a homohexamer. The standard physiological role of BLMH has not been determined, but it shields normal and malignant cells from the glycopeptide antitumor drug BLM. BLMH catalyzes the inactivation of the antitumor drug BLM (a glycopeptide) by hydrolyzing the carboxamide bond of its B-aminoalaninamide moiety and in addition demonstrates general aminopeptidase activity.
Product Categories/Family for BLMH active protein	Enzymes; Hydrolase

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557367
NCBI GeneID	642
NCBI Accession #	NP_000377.1

NCBI GenBank Nucleotide #	NM_000386.3
UniProt Accession #	Q13867; Q53F86; Q9UER9; B2R796
Molecular Weight	52,562 Da
NCBI Official Full Name	bleomycin hydrolase
NCBI Official Synonym Full Names	bleomycin hydrolase
NCBI Official Symbol	BLMH
NCBI Official Synonym Symbols	BH; BMH
NCBI Protein Information	bleomycin hydrolase; BLM hydrolase
UniProt Protein Name	Bleomycin hydrolase
UniProt Gene Name	BLMH
UniProt Synonym Gene Names	BH; BLM hydrolase; BMH
UniProt Entry Name	BLMH_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-blmh-active-protein/bleomycin-hydrolase/38866>