

32-2189: BLMH Recombinant Protein

Alternative Name : BMH,BH,BLM hydrolase,Bleomycin Hydrolase.

Description

Source : Escherichia Coli. 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. 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 Info

Amount :	20 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	The BLMH protein solution (1mg/1ml) is formulated in 20mM Tris-HCl Buffer (pH 8.0) and 10% Glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MSSSGLNSEK VAALIQKLSN DPQFVLAQNV GTTHDLLDIC LKRATVQRAQ HVFQHAVPQE GKPITNQKSS GRCWIFSLN VMRLPFMKKL NIEEFESQS YLFFWDKVER CYFFLSAFVD TAQRKEPEDG RLVQFLMNP ANDGGQWDML VNIVEKYGVI PPKCFPESYT TEATRRMNDI LNHKMREFCI RLRNLVHSGA TKGEISATQD VMMEEIFRVV CICLGNPPET FTWEYRDKDK NYQKIGPITP LEFYREHVKP LFNMEDKICL VNDPRPQHKY NKLYTVEYLS NMVGGRKTLY NNQPIDFLKK MVAASIKDGE AVWFGCDVGK HFNSKLGLSD MNLYDHELVF GVSLKNMNKA ERLTFGESLM THAMTFTAVS EKDDQDGAFT KWRVENSWGE DHGHKGYLCM TDEWFSEYVY EVVVDKRVHP EEVLAVLEQE PIILPAWDPM GALAE

Application Note

Specific activity is > 1,000 pmole/min/ug. Measured by the hydrolysis of Met-AMC at pH 7.5, at 37C.