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32-6682: BLMH Mouse

Application : Functional Assay
Alternative Name : BMH, BH, BLM hydrolase, Bleomycin Hydrolase.

Description

Source: Escherichia Coli.
Sterile Filtered colorless solution.
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. BLMH 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 carboxyamide bond of its B-aminoalaninamide moiety and in addition demonstrates general aminopeptidase activity.
BLMH Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 478 amino acids (1-455 aa) and having a molecular mass of 54.9 kDa.BLMH is fused to a 23 amino acid His tag at N-terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	1 µg / 5 µg
Purification :	Greater thanÂ 90.0%Â as determined by SDS-PAGE.
Content :	The BLMH solution (0.25 mg/ml) contains 1mM DTT, 30% Glycerol, 20mM Tris-HCl(pH8.0) and 0.1M NaCl.
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. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSMNNAGLN SEKVSALIQK LNSDPQFVLA QNVGTTHDLLDICLRRATVQ GAQHVFQHVV PQEGKPVTNQ KSSGRCWIFS CLNVMRLPFM KKFNIEEFEFSQSYLFFWDK VERCYFFLNA FVDTAQKKEP EDGRLVQYLL MNPTNDGGQW DMLVNIVEKYGVVPKKCFPE SHTTEATRRM NDILNHKMRE FCIRLRNLVH SGATKGEISS TQDAMMEEIFRVVCICLGNP PETFTWEYRD KDKNYHKIGP ITPLQFYKEH VKPLFNMEDK ICFVNDPRPQHKYNKLYTVD YLSNMVGGRK TLYNNQPIDF LKKMVAASIK DGEAVWFGCD VGKHFNGKLGLSDMNVYDHE LVFGVSLKNM NKAERLAFGE SLMTHAMTFT AVSEKDNQEG TFVKWRVENSWGEDHGHKGY LCMTDEWFSE YVYEVVVDKK HVPEEVLAVL EQEPIVLPAW DPMGALAE

Application Note

Specific activity is > 1,500 pmole/min/ug. Measured by hydrolysis of 1pmole of Met-AMC to Methionine and AMC per minute at pH7.5 at 37CÃ□Â°.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.