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BLMH Human

Catalog #:ENPS-025

For research use only.

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.

Synonyms:BMH, BH, BLM hydrolase, Bleomycin Hydrolase.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MSSSGLNSEK VAALIQKLNS DPQFVLAQNV GTTHDLLDIC LKRATVQRAQ HVFQHAVPQE GKPITNQKSS GRCWIFSCLN VMRLPFMKKL NIEEFEFSQS YLFFWDKVER CYFFLSAFVD TAQRKEPEDG RLVQFLLMNP ANDGGQWDML VNIVEKYGVI PKKCFPESYT TEATRRMNDI LNHKMREFCI RLRNLVHSGA TKGEISATQD VM

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:
The BLMH protein solution (1mg/1ml) is formulated in 20mM Tris-HCl Buffer (pH 8.0) and 10% Glycerol.

Usage:
NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

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 drµg BLM. BLMH catalyzes the inactivation of the antitumor drµg BLM (a glycopeptide) by hydrolyzing the carboxyamide bond of its B-aminoalaninamide moiety and in addition demonstrates general aminopeptidase activity.

Biological Activity:
Specific activity: > 1,000 pmole/min/µg. Measured by the hydrolysis of Met-AMC at pH 7.5, at 37C.

Storage:
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.

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