

Datasheet for ABIN7596250
BLMH Protein (AA 1-455) (His tag)



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Overview

Quantity:	50 µg
Target:	BLMH
Protein Characteristics:	AA 1-455
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This BLMH protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Enzyme Activity Assay (EAA)

Product Details

Sequence:	MNNAGLN SEKVSALIQK LNSDPQFVLA QNVGTTHDLL DICLRRATVQ GAQHVFFQHVV PQEGKPVNTQ KSSGRCWIFS CLNVMRLPFM KKFNIEEFEF SQSYLFFWDK VERCYFFLNA FVDTAQKKEP EDGRLVQYLL MNPTNDGGQW DMLVNIVEKY GVVPKKCFPE SHTTEATTRM NDILNHKMRE FCIRLRNLVH SGATKGEISS TQDAMMEEIF RVVCICLGNP PETFTWEYRD KDKNYHKIGP ITPLQFYKEH VKPLFNMEDK ICFVNDPRPQ HKYNKLYTVD YLSNMVGGRK TLYNNQPIDF LKKMVAASIK DGEAVWFGCD VGKHFNGKLG LSDMNVYDHE LVFGVSLKNM NKAERLAFGE SLMTHAMTFT AVSEKDNQEG TFVKWRVENS WGEDHGHKGY LCMTDEWFSE YVYEVVDDKK HVPEEVLAVL EQEPIVLP AW DPMGALAE
Purity:	> 90% by SDS-PAGE
Biological Activity Comment:	Specific activity is > 1,500pmol/min/ug, and is defined as the amount of enzyme that hydrolyze

Product Details

1pmole of Met-AMC to Methionine and AMC per minute at pH7.5 at 37C.

Target Details

Target:	BLMH
Alternative Name:	Bleomycin Hydrolase/BLMH (BLMH Products)
Background:	<p>BLMH, also known as bleomycin hydrolase, 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.</p> <p>Recombinant mouse BLMH protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.</p>
Molecular Weight:	54.9 kDa (478aa) confirmed by MALDI-TOF
NCBI Accession:	NP_848760

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.