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Datasheet for ABIN7194396 BLMH Protein (His tag)

Overview

Quantity:	10 µg
Target:	BLMH
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This BLMH protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human BLMH/BLM Hydrolase Protein (His Tag)(Active)
Sequence:	Ser 2-Glu 455
Characteristics:	A DNA sequence encoding the human BLMH (NP_000377.1) (Ser 2-Glu 455) was expressed, with a polyhistidine tag at the N-terminus.
Purity:	> 88 % as determined by reducing SDS-PAGE.
Biological Activity Comment:	Measured by its ability to hydrolyze Met-AMC. The specific activity is >500 pmoles/min/µg.

Target Details

Target:	BLMH
Alternative Name:	BLMH/BLM Hydrolase (BLMH Products)
Background:	Background: The papain superfamily member bleomycin hydrolase (BLMH) is a cytoplasmic

Target Details

cysteine peptidase that is highly conserved through evolution. The only known activity of the enzyme is metabolic inactivation of the glycopeptide bleomycin (BLM), an essential component of combination chemotherapy regimens for cancer. The papain superfamily member bleomycin hydrolase (BLMH) is a neutral cysteine protease with structural similarity to a 20S proteasome. Bleomycin (BLM), a clinically used glycopeptide anticancer agent. BLMH is an essential protectant against BLM-induced death and has an important role in neonatal survival and in maintaining epidermal integrity. Sequencing revealed several putative sites phosphorylated by different types of protein kinases, but no signal sequence, transmembrane domain, N-linked glycosylation site or DNA-binding motif.

Synonym: BH,BMH

Molecular Weight: 53.4 kDa

NCBI Accession: [NP_000377](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.