Recombinant Human BLMH Protein (Met213-Trp447), His tagged

Cat. No. BLMH-0765H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human BLMH (Met213-Trp447) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met213-Trp447
Description	The papain superfamily member bleomycin hydrolase (BLMH) is a cytoplasmic 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 2S 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.
Form	Lyophilized powder/frozen liquid
Molecular Mass	28.54 kDa

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Purity	>90% as determined by SDS-PAGE.
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS pH 7.5 or lyophilized from PBS pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	BLMH bleomycin hydrolase [Homo sapiens (human)]
Official Symbol	BLMH
Synonyms	BLMH; bleomycin hydrolase; BH; BLM hydrolase; BMH;
Gene ID	642
mRNA Refseq	NM_000386
Protein Refseq	NP_000377
MIM	602403
UniProt ID	Q13867

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