

Recombinant Human BLMH, His-tagged

Cat. No. BLMH-26116TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 309-455 of Human BLMH with N terminal His tag; 147 amino acids, 20kDa.
Species	Human
Source	E.coli
ProteinLength	309-455 a.a.
Description	Bleomycin hydrolase (BMH) is a cytoplasmic cysteine peptidase that is highly conserved through evolution; however, 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 protein contains the signature active site residues of the cysteine protease papain superfamily.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 98 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino	KKMVAASIKDGEAVWFGCDVGKHFNSKLGLSDMNLYDHEL VFGVSLKNNMKAERL

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acids

TFGESLMTHAMTFTAVSEKDDQD GAFTKWRVENSWGEDHGHKGYLCMTDEWFS
EYVYEVVV DRKHPPEEVLAVLEQEPILPAWDPMGALAE

GENE INFORMATION

Gene Name BLMH bleomycin hydrolase [Homo sapiens]

Official Symbol BLMH

Synonyms BLMH; bleomycin hydrolase; BH;

Gene ID 642

mRNA Refseq NM_000386

Protein Refseq NP_000377

MIM 602403

Uniprot ID Q13867

Chromosome Location 17q11.2

Pathway Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination & Proteasome degradation, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem;

Function aminopeptidase activity; carboxypeptidase activity; cysteine-type endopeptidase activity; cysteine-type peptidase activity; peptidase activity;

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