

Recombinant Full Length Human BLMH Protein, GST-tagged

Cat. No. BLMH-1648HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human BLMH full-length ORF (NP_000377.1, 1 a.a. - 455 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	455 amino acids
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.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	79 kDa
AA Sequence	MSSSGLNSEK VAALIQKLNS DPQFVLAQNV GTTHDLLDIC LKRATVQRAQ HVFQHAVPQE GKPITNQKSS GRCWIFSLN VMRLPFMKKL NIEEFESQS YLFFWDKVER CYFFLSAFVD TAQRKEPEDG RLVQFLLMNP ANDGGQWDML VNIVEKYGVI PKKCFPESYT TEATRRMNDI LNHKMREFCI RLRNLVHSGA TKGEISATQD VMMEEIFRVV CICLGNPPET FTWEYRDKDK NYQKIGPITP LEFYREHVKP LFNMEDKICL VNDPRPQHKY NKLYTVEYLS NMVGGRKTLY

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NNQPIDFLKK MVAASIKDGE AVWFGCDVGK HFNSKLGLSD MNLYDHELVF
GVSLKNMNKA ERLTFGESLM THAMTFTAVS EKDDQDGAFT KWRVENSWE
DHGHKGYLCM TDEWFSEYVY EVVVD RKHVP EEVLAVLEQE PIILPAWDPM
GALAE

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name BLMH bleomycin hydrolase [Homo sapiens]

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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