

Recombinant Human BLMH Protein, GST-tagged

Cat. No. BLMH-242H **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	Wheat Germ
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	MSSSGLNSEKVAALIQKLNSDPQFVLAQNVGTTHDLLDICLKRA TVQRAQHVFQHAV PQEGKPITNQKSSGRCWIFSC LNVMLRPFMKKLNIEEFESQSYLFFWDKVERCYFF LSAFVDTAQRKEPEDGRLVQFLLMNPANDGGQWDM LVNIVEKYGVIPKKCFPESYT TEATRRMNDILNHKMR EFCIRLRNLVHSGATKGEISATQDVMMEEIFRVVCICLGNPP ETFTWEYRDKDKNYQKIGPITPLEFYREHV KPLFNMEDKICLVNDPRPQHKNKLYT VEYLSNMVGGRKTL YNNQPIDFLKKMVAASIKDGEAVWFGCDVGKHFNSKLGLSDM NLYDHEL VFGVSLKNMNKAERLTFGESLMTHAMTFTAVSEKDDQDGAFTKWRVEN SWGEDHGHKGYLCMTDEWFSEYVYEVVDRKHVPEEVLAVLEQEPIILPAWDPMG

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	ALAE
Notes	Best use within three months from the date of receipt of this protein.
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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