

BLMH, 1-455aa, Human, His tag, E.coli

Cat.NO.: TP01343

3th Edition

Synonyms:Bleomycin hydrolase, BH, BMH.

Description:BLMH is a member of the papain superfamily of the cysteine protease and the peptidase C1 family. It is a cytoplasmic cysteinepeptidase commonly found as a homohexamer. The normal physiological role of BLMH is unknown, but it protects normal and malignant cells from the glycopeptide antitumor drug BLM.

Form:Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 10% Glycerol

Molecular Weight:54.7 kDa(475aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMSSSGLNSEKVAALIQKLNSDPQFVLAQNVGTTHDLLDICLKRA TVQRAQHVFQH
AVPQEGKPITNQKSSGRCWIFSCLNVMRLPFMKKLNIEEFESQSYLFFWDKVERCYFFLSAFVDTAQRKEPEDGR
LVQFLLMNPANDGGQWDMLVNIVEKYGVIPKKCFPESYTTEATRMRNDILNHKMREFCIRLRNLVHSGATKGEISAT
QDVMMEEIFRVVICLGNPPETFTWEYRDKDKNYQKIGPITPLEFYREHVKPLFNMEDKICLVNDPRPQHKYNKLYT
VEYLSNMVGGKRKTLYNNQPIDFLKKMVAASIKDGEAVWFGCDVGKHFNSKLGLSDMNLYDHEL VFGVSLKNMNKA
ERLTFGESLMTHAMTFTAVSEKDDQDGAFTKWRVENSWGEDHGHKGYLCMTDEWFSEYVVEVVDRKHVPEEV
LAVLEQEPIILPAWDPMGALAE

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.