

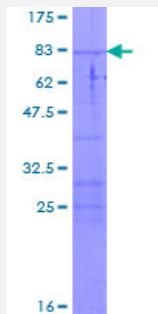
Full-Length

BLMH (Human) Recombinant Protein (P01)

Catalog # H00000642-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human BLMH full-length ORF (NP_000377.1, 1 a.a. - 455 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSSSGLNSEKVAALIQKLNSDPQFVLAQNVGTTHDLLDICKRATVQRAQHVFQHAVPQEGKPIT
NQKSSSGRCWIFSCLNVMRLPFMKKLNIEEFESQSYLFFWDKVERCYFFLSAFVDTAQRKEPED
GRLVQFLLMNPANDGGQWDMLVNIVEKYGVIPKKCFPESYTTEATRRMNDILNHKMREFCIRLRNL
VHSGATKGEISATQDVMMEEIFRVVCICLGNPPETFTWEYRDKDKNYQKIGPITPLEFYREHVKPLF
NMEDKICLVNDPRPQHKNKLYTVEYLSNMVGGRTLYNNQPIDFLKKMVAASIKDGEAVWFGCD
VGKHFNSKLGSLDMNLYDHELVFGVSLKNMNKAERLTFGESLMTHAMTFTAVSEKDDQDGAFTK
WRVENSWGEDHGHKGYLCMTDEWFSEYVYEVVDRKHVPEEVLAVLEQEPILPAWDPMGALA
E

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

79

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

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

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

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

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — BLMH

Entrez GeneID[642](#)**GeneBank Accession#**[NM_000386.2](#)**Protein Accession#**[NP_000377.1](#)**Gene Name**

BLMH

Gene Alias

BH, BMH

Gene Description

bleomycin hydrolase

Omim ID[104300 602403](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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. [provided by RefSeq]

Other Designations

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Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Chromosome Aberrations](#)
- [Diabetes Complications](#)
- [Genetic Predisposition to Disease](#)
- [Metabolic Syndrome X](#)
- [Micronuclei](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Pneumonia](#)
- [Pulmonary Fibrosis](#)
- [Testicular Neoplasms](#)