

## Recombinant Mouse BLMH protein(Asn2-Glu455), His-tagged

**Cat. No.** Blmh-1190M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse BLMH (NP_848760.1) (Asn 2-Glu 455) was expressed in E. coli, with a polyhistide tag at the N-terminus.                                                                                                                        |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                           |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 2-455 a.a.                                                                                                                                                                                                                                      |
| <b>Form</b>             | Lyophilized from sterile 50mM Tris, 0.15M NaCl, 10% glycerol, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                                                  |
| <b>Bio-activity</b>     | Measured by its ability to hydrolyze Met-AMC. The specific activity is >500 pmoles/min/μg.                                                                                                                                                      |
| <b>Molecular Mass</b>   | The recombinant mouse BLMH consisting of 461 amino acids and has a calculated molecular mass of 53.3 kDa. rmBLMH migrates as an approximately 47 kDa band in SDS-PAGE under reducing conditions.                                                |
| <b>Purity</b>           | > 95 % as determined by SDS-PAGE                                                                                                                                                                                                                |
| <b>Storage</b>          | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |

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**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

|                  |                                           |
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| <b>Gene Name</b> | Blmh bleomycin hydrolase [ Mus musculus ] |
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|------------------------|------|
| <b>Official Symbol</b> | BLMH |
|------------------------|------|

|                 |                                                                                            |
|-----------------|--------------------------------------------------------------------------------------------|
| <b>Synonyms</b> | BLMH; bleomycin hydrolase; BLM hydrolase; Bh; Bmh; AI035728; MGC36899; MGC37104; MGC39026; |
|-----------------|--------------------------------------------------------------------------------------------|

|                |        |
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| <b>Gene ID</b> | 104184 |
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| <b>mRNA Refseq</b> | NM_178645 |
|--------------------|-----------|

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| <b>Protein Refseq</b> | NP_848760 |
|-----------------------|-----------|

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