

## Recombinant Mouse Hspa1b protein, His-SUMO-tagged

**Cat. No.** Hspa1b-3057M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Hspa1b protein(P17879)(2-642aa), fused to N-terminal His tag and SUMO tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | 2-642aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Form</b>             | <p>If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.</p> <p>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.</p>                                                                                                                                                                                                                                                                                                                       |
| <b>Molecular Mass</b>   | 86 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>AA Sequence</b>      | AKNTAIGIDLGTTYSCVGVFQHGKVEIIANDQGNRTTPSYVAFTDTERLIGDAAKNQV<br>ALNPQNTVFDKRLIGRKFGDAVVQSDMKHWPFQVVNDGDKPKVQVNYKGESRSF<br>FP EEISSMVLTKMKEIAEAYLGHPVTNAVITVPAYFNDSQRQATKDAGVIAGLNLVRII<br>NEPTAAAIAYGLDRTGKGERNVLIFDLGGGTFDVSILTIDDGIFEVKATAGDTHLGGE<br>DFDNRLVSHFVEEFKRKHKKDISQNKRAVRRLRTACERAKRTLSSSTQASLEIDSLF<br>EGIDFYTSITRARFEELCSDLFRGTLEPVEKALRDAKMDKAQIHDLVLVGGSTRIPKV<br>QKLLQDFFNGRDLNKSINPDEAVAYGAAVQAAILMGDKSENVQDLLLLDVAPLSLGL<br>ETAGGVMTALIKRNSTIPTKQTQTFTTYSNQPGLVLIQVYEGERAMTRDNNLLGRFE<br>LSGIPPAPRGVPQIEVTFDIDANGILNVTATDKSTGKANKITITNDKGRLSKEEIERMV |

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QEAERYKAEDEVQRDRVAAKNALESYAFNMKSAVEDEGLKGKLSEADKKKVLDKC  
 QEVISWLDSNTLADKEEFVHKREELERVCSPIISGLYQGAGAPGAGGFGAQAPPKG  
 ASGSGPTIEEVD

**Purity** Greater than 90% as determined by SDS-PAGE.

**Storage** Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

**Reconstitution** Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%.

## GENE INFORMATION

**Gene Name** [Hspa1b heat shock protein 1B \[ Mus musculus \]](#)

**Official Symbol** [Hspa1b](#)

**Synonyms** HSPA1B; heat shock protein 1B; heat shock 70 kDa protein 1B; heat shock protein 70.1; 68 kDa heat shock protein; heat shock 70 kDa protein 1; heat shock 70kDa protein 1B; heat shock protein, 70 kDa 1; Hsp70; hsp68; Hsp70-1; Hsp70.1;

**Gene ID** [15511](#)

**mRNA Refseq** [NM\\_010478](#)

**Protein Refseq** [NP\\_034608](#)

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