

## Recombinant Human HSPB1 protein, His-tagged

Cat. No. HSPB1-1391H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human HSPB1 protein(1-205 aa), fused with N-terminal His tag, was expressed in E.coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-205 aa
<b>Form</b>	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole.
<b>AASequence</b>	MTERRVPFSLLRGPSWDPFRDWYPHSRLFDQAFGLPRLPEEWSQWLGGSSWPGY VRPLPPAAIESPAVAAPAYSRALSRQLSSGVSEIRHTADRWRVSLDVNHFAPDELTV KTKDGVVEITGKHEERQDEHGYISRCFTRKYTLPPGVDPTQVSSSLSPEGTLTVEAP MPKLATQSNEITIPVTFESRAQLGGPEAAKSDETAAK
<b>Purity</b>	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
<b>Storage</b>	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Reconstitution**

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

## GENE INFORMATION

**Gene Name**

HSPB1 heat shock 27kDa protein 1 [ Homo sapiens ]

**Official Symbol**

HSPB1

**Synonyms**

HSPB1; heat shock 27kDa protein 1; heat shock 27kD protein 1; heat shock protein beta-1; Hs.76067; Hsp25; HSP27; HSP28; HSP 27; 28 kDa heat shock protein; heat shock 27 kDa protein; stress-responsive protein 27; estrogen-regulated 24 kDa protein; CMT2F; HMN2B; SRP27; HS.76067; DKFZp586P1322;

**Gene ID**

3315

**mRNA Refseq**

NM\_001540

**Protein Refseq**

NP\_001531

**MIM**

602195

**UniProt ID**

P04792

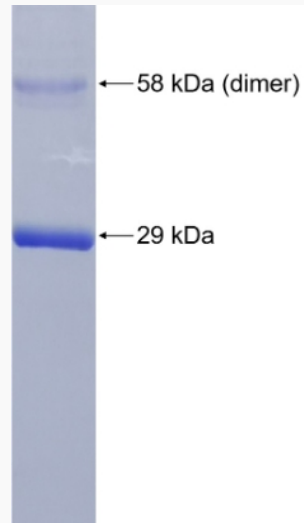
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SDS-PAGE



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