

## Recombinant Human HSPB1 protein, MYC/DDK-tagged

Cat. No. HSPB1-849H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human HSPB1 fused with MYC/DDK tag at C-terminal was expressed in HEK293.

**Species** Human

**Source** HEK293

**Description** The protein encoded by this gene is induced by environmental stress and developmental changes. The encoded protein is involved in stress resistance and actin organization and translocates from the cytoplasm to the nucleus upon stress induction. Defects in this gene are a cause of Charcot-Marie-Tooth disease type 2F (CMT2F) and distal hereditary motor neuropathy (dHMN).

**Form** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

**Molecular Mass** 22.6 kDa

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Concentration** >50 ug/mL as determined by microplate BCA method

### GENE INFORMATION

**Gene Name** HSPB1 heat shock 27kDa protein 1 [ Homo sapiens ]

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<b>Official Symbol</b>	<a href="#">HSPB1</a>
<b>Synonyms</b>	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;
<b>Gene ID</b>	<a href="#">3315</a>
<b>mRNA Refseq</b>	<a href="#">NM_001540</a>
<b>Protein Refseq</b>	<a href="#">NP_001531</a>
<b>MIM</b>	<a href="#">602195</a>
<b>UniProt ID</b>	<a href="#">P04792</a>
<b>Chromosome Location</b>	7q11.23
<b>Pathway</b>	Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Destabilization of mRNA by AUF1 (hnRNP D0), organism-specific biosystem; FAS pathway and Stress induction of HSP regulation, organism-specific biosystem; Gene expression, organism-specific biosystem; IL-3 Signaling Pathway, organism-specific biosystem; IL-6 Signaling Pathway, organism-specific biosystem;
<b>Function</b>	protein binding; protein kinase C binding; protein kinase C delta binding; protein kinase C inhibitor activity; protein kinase binding; ubiquitin binding;

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