

## Recombinant Human HSPB8

**Cat. No.** HSPB8-29389TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length protein (Human)
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	<p>The protein encoded by this gene belongs to the superfamily of small heat-shock proteins containing a conservative alpha-crystallin domain at the C-terminal part of the molecule. The expression of this gene is induced by estrogen in estrogen receptor-positive breast cancer cells, and this protein also functions as a chaperone in association with Bag3, a stimulator of macroautophagy. Thus, this gene appears to be involved in regulation of cell proliferation, apoptosis, and carcinogenesis, and mutations in this gene have been associated with different neuromuscular diseases, including Charcot-Marie-Tooth disease.</p>
<b>Tissue specificity</b>	Predominantly expressed in skeletal muscle and heart.
<b>Form</b>	Lyophilised: Centrifuge the vial prior to opening. Reconstitute in H <sub>2</sub> O to a concentration of 0.1 - 1.0 mg/ml.
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Sequence Similarities</b>	Belongs to the small heat shock protein (HSP20) family.

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**Full Length** Full L.

## GENE INFORMATION

**Gene Name** HSPB8 heat shock 22kDa protein 8 [ Homo sapiens ]

**Official Symbol** HSPB8

**Synonyms** HSPB8; heat shock 22kDa protein 8; heat shock 27kDa protein 8; heat shock protein beta-8; E2IG1; H11; HSP22; HspB8;

**Gene ID** 26353

**mRNA Refseq** NM\_014365

**Protein Refseq** NP\_055180

**MIM** 608014

**Uniprot ID** Q9UJY1

**Chromosome Location** 12q24.23

**Function** identical protein binding; protein binding; protein serine/threonine kinase activity;

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