

Recombinant Human HSPB8

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

SPECIFICATION

Product Overview	Recombinant full length protein (Human)
Species	Human
Source	E.coli
Description	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.
Tissue specificity	Predominantly expressed in skeletal muscle and heart.
Form	Lyophilised: Centrifuge the vial prior to opening. Reconstitute in H ₂ O to a concentration of 0.1 - 1.0 mg/ml.
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequence Similarities	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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