

Recombinant Human HSPB8 Protein

Cat. No. HSPB8-045H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human HSPB8 protein without tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	196
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.
Form	Lyophilized
Molecular Mass	21 kDa
AA Sequence	MADGQMPFSCHYPSRLRRDPFRD SPLSSRLDDGFGMDPFPDDL TASWPDWALP RLSSAWPGTLRSGMVPRGPTATARFGVPAEGRT PPPFPGE PWKVCNVH SFKPEE LMVKTKDGYVEVSGKHEEKQQEGGIVSKNFTKKIQLPAEVD PVTVFASLSPEGLLIIE APQVPPYSTFGESSFNNELPQDSQEV TCT

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Purity	> 95%
Applications	WB; Proliferation Assay;
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	Tris-acetate (pH 7.6). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name	HSPB8 heat shock 22kDa protein 8 [Homo sapiens (human)]
Official Symbol	HSPB8
Synonyms	HSPB8; heat shock 22kDa protein 8; heat shock 27kDa protein 8; heat shock protein beta-8; E2IG1; H11; HSP22; HspB8; protein kinase H11; alpha-crystallin C chain; E2-induced gene 1 protein; small stress protein-like protein HSP22; HMN2; CMT2L; DHMN2; HMN2A;
Gene ID	26353

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

mRNA Refseq	NM_014365
Protein Refseq	NP_055180
MIM	608014
UniProt ID	Q9UJY1

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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