

Recombinant Human HSPB1 Protein, His-tagged

Cat. No. HSPB1-070H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant N-terminally Histidine-tagged full length human Hsp27 protein (2-205) was purified from E. coli.
Species	Human
Source	E.coli
ProteinLength	2-205
Description	This gene encodes a member of the small heat shock protein (HSP20) family of proteins. In response to environmental stress, the encoded protein translocates from the cytoplasm to the nucleus and functions as a molecular chaperone that promotes the correct folding of other proteins. This protein plays an important role in the differentiation of a wide variety of cell types. Expression of this gene is correlated with poor clinical outcome in multiple human cancers, and the encoded protein may promote cancer cell proliferation and metastasis, while protecting cancer cells from apoptosis. Mutations in this gene have been identified in human patients with Charcot-Marie-Tooth disease and distal hereditary motor neuropathy.
Molecular Mass	25.5 kDa
Purity	≥90% as determined by SDS-PAGE
Stability	≥ 2 years

 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

Storage	At -80 centigrade.
Storage Buffer	50 mM Tris HCl, pH 7.5, 150 mM sodium chloride, 1mM DTT, 20% glycerol
GENE INFORMATION	
Gene Name	HSPB1 heat shock protein family B (small) member 1 [Homo sapiens (human)]
Official Symbol	HSPB1
Synonyms	HSPB1; heat shock protein family B (small) member 1; CMT2F; HMN2B; HSP27; HSP28; Hsp25; SRP27; HS.76067; HEL-S-102; heat shock protein beta-1; 28 kDa heat shock protein; epididymis secretory protein Li 102; estrogen-regulated 24 kDa protein; heat shock 27 kDa protein; heat shock 27kD protein 1; heat shock 27kDa protein 1; stress-responsive protein 27
Gene ID	3315
mRNA Refseq	NM_001540
Protein Refseq	NP_001531
MIM	602195
UniProt ID	P04792

 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