

Recombinant Human HSPB1 Full Length protein, His-tagged

Cat. No. HSPB1-1554H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HSP27 (NP_001531.1) (Met1-Lys205) was expressed in E. coli with a C-terminal polyhistidine tag.
Species	Human
Source	E.coli
ProteinLength	Met1-Lys205
Form	Lyophilized from sterile 20mM HEPES, 0.1M KCl, pH 7.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant human HSP27 consists of 211 amino acids and has a predicted molecular mass of 28 kDa as estimated by SDS-PAGE.
Purity	≥90 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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GENE INFORMATION

Gene Name	HSPB1 heat shock 27kDa protein 1 [Homo sapiens]
Official Symbol	HSPB1
Synonyms	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;
Gene ID	3315
mRNA Refseq	NM_001540
Protein Refseq	NP_001531
MIM	602195
UniProt ID	P04792

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