Recombinant Human HSP27, GST-tagged

Cat. No. HSP27-13976H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HSP27 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-182a.a.
Description	The protein encoded by this gene is induced by environmental stress and developmental changes. The encoded protein is involved in stress resistance and actin organization and translocates from the cytoplasm to the nucleus upon stress induction. Defects in this gene are a cause of Charcot-Marie-Tooth disease type 2F (CMT2F) and distal hereditary motor neuropathy (dHMN).
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

Gene Name	HSPB1 heat shock 27kDa protein 1 [Homo sapiens]

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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
Chromosome Location	7q11.23
Pathway	Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Destabilization of mRNA by AUF1 (hnRNP D0), organism-specific biosystem; FAS pathway and Stress induction of HSP regulation, organism-specific biosystem; Gene Expression, organism-specific biosystem; IL-3 Signaling Pathway, organism-specific biosystem; IL-6 Signaling Pathway, organism-specific biosystem;
Function	protein binding; protein kinase C binding; protein kinase C delta binding; protein kinase C inhibitor activity; protein kinase binding; ubiquitin binding;

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