

Recombinant Human HSPB1 293 Cell Lysate

Cat. No. HSPB1-5351HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for heat shock 27kDa protein 1 (HSPB1) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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](#)

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

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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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