

## Recombinant Human HSPB1 293 Cell Lysate

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

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Components</b>	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).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	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.
<b>Applications</b>	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

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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 Expression, organism-specific biosystem](#); [IL-3 Signaling Pathway, organism-specific biosystem](#); [IL-6 Signaling Pathway, organism-specific biosystem](#);

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**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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