Recombinant Human HSPB2 293 Cell Lysate

Cat. No. HSPB2-5349HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for heat shock 27kDa protein 2 (HSPB2) 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	HSPB2 heat shock 27kDa protein 2 [Homo sapiens]
Official Symbol	HSPB2
Synonyms	HSPB2; heat shock 27kDa protein 2; heat shock 27kD protein 2; heat shock protein beta-2; Hs.78846; MKBP; DMPK-binding protein; heat-shock protein beta-2; HSP27; LOH11CR1K; MGC133245;
Gene ID	3316
mRNA Refseq	NM_001541
Protein Refseq	NP_001532
MIM	602179
UniProt ID	Q16082
Chromosome Location	11q22-q23
Pathway	MAPK signaling pathway, organism-specific biosystem;
Function	enzyme activator activity; protein binding;

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