

Product datasheet for LY300011

Hsp22 (HSPB8) Human Knockdown Lysate

Product data:

Product Type: Knockdown Lysates

Description: WB-validated HSPB8 Knockdown 293T Cell Lysate

Species: Human Expression Host: 293T

Tag: Tag Free

Synonyms: HSPB8; Heat Shock Protein Family B (Small) Member 8; E2IG1; HSP22; CMT2L; H11; Small

Stress Protein-Like Protein HSP22; Heat Shock 27kDa Protein 8; Heat Shock 22kDa Protein 8; Heat Shock Protein Beta-8; E2-Induced Gene 1 Protein; Alpha-Crystallin C Chain; Protein

Kinase H11; HSPB8-N1; HSPB8-N2; DHMN2; HMN2A; CRYAC; HspB8; HMN2

Predicted MW: 22 kDa

Components: 1 vial of 100 ug WT 293T cell lysate

1 vial of 100 ug HSPB8 KD 293T cell lysate

Storage: Store at -20 °C for two years.

Concentration: Lot-specific

Buffer: IntactProtein Cell-Tissue Lysis buffer

Locus ID: 26353 **UniProt ID:** Q9UJY1

Protein Families: Druggable Genome, Protein Kinase

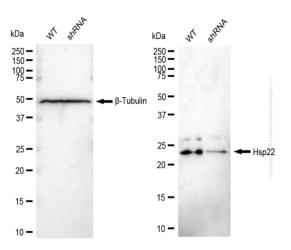
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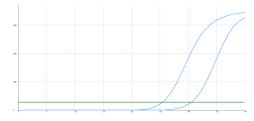
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Product images:



Western blotting analysis. HSPB8 protein expression in wild-type (WT) and shRNA knockdown (KD) 293T cells was detected using Western blotting. β -Tubulin served as a loading control. The blots were incubated with primary antibodies against HSPB8 and β -Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ $^{\text{TM}}$ ECL Substrate Kit.



Genotype	Ct Value
Wild-Type	25.24
Knock-Down	30.23
Δ Ct (Ct _{KD} -Ct _{WT})	4.99
% mRNA Reduction	4 97%

RT-qPCR analysis. 293T cells were infected with HSPB8-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. ΔCt (CtKD-CtWT) was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: (1-1/2ΔCt) x 100%.