

Product datasheet for **LY300006**

Hsc70 (HSPA8) Human Knockdown Lysate

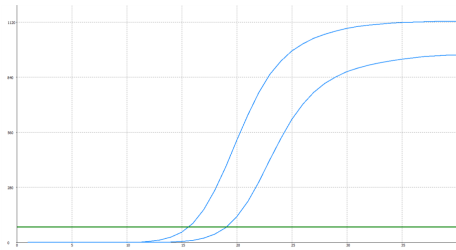
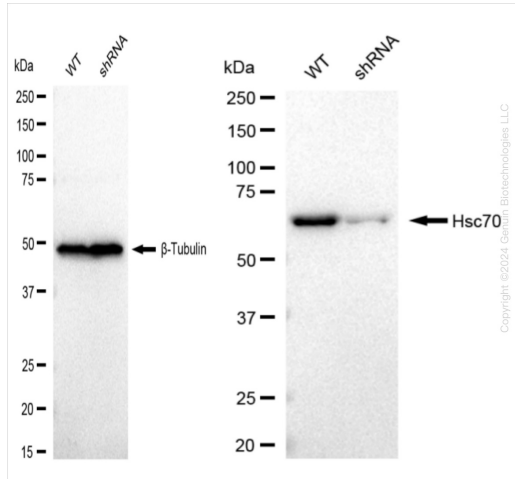
Product data:

Product Type:	Knockdown Lysates
Description:	WB-validated HSPA8 Knockdown 293T Cell Lysate
Species:	Human
Expression Host:	293T
Tag:	Tag Free
Synonyms:	HSPA8; Heat Shock Protein Family A (Hsp70) Member 8; HSC70; HSP73; HSPA10; HSC71; Lipopolysaccharide-Associated Protein 1; Heat Shock Cognate 71 KDa Protein; Heat Shock 70kDa Protein 8; LPS-Associated Protein 1; LAP-1; Epididymis Secretory Sperm Binding Protein Li 72p; N-Myristoyltransferase Inhibitor Protein 71; Constitutive Heat Shock Protein 70; Epididymis Luminal Protein 33; Heat Shock Cognate Protein 54; Heat Shock 70 KDa Protein 8; Heat Shock 70kd Protein 10; Heat Shock 70kd Protein 8; EC 3.6.4.10; HEL-S-72p; HEL-33; HSC54; HSP71; NIP71; LAP1
Predicted MW:	71 kDa
Components:	1 vial of 100 ug WT 293T cell lysate 1 vial of 100 ug HSPA8 KD 293T cell lysate
Storage:	Store at -20 °C for two years.
Concentration:	Lot-specific
Buffer:	IntactProtein Cell-Tissue Lysis buffer
Locus ID:	3312
UniProt ID:	P11142
Protein Families:	Stem cell - Pluripotency
Protein Pathways:	Antigen processing and presentation, Endocytosis, MAPK signaling pathway, Spliceosome



[View online »](#)

Product images:



Genotype	Ct Value
Wild-Type	15.61
Knock-Down	18.76
$\Delta Ct (Ct_{KD} - Ct_{WT})$	3.15
% mRNA Reduction	↓ 89%

Western blotting analysis. HSPA8 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 (Cat#61475, 1:5,000) against HSPA8 and β -Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000). Images were developed using FeQ™ ECL Substrate Kit (Cat#226).

RT-qPCR analysis. 293T cells were infected with HSPA8-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. $\Delta Ct (Ct_{KD} - Ct_{WT})$ was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: $(1 - 1/2^{\Delta Ct}) \times 100\%$.