

Product datasheet for **LY300004**

HSF1 Human Knockdown Lysate

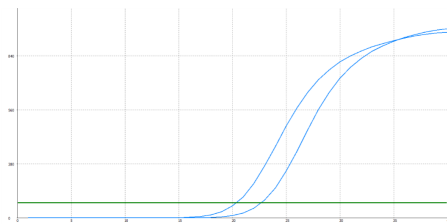
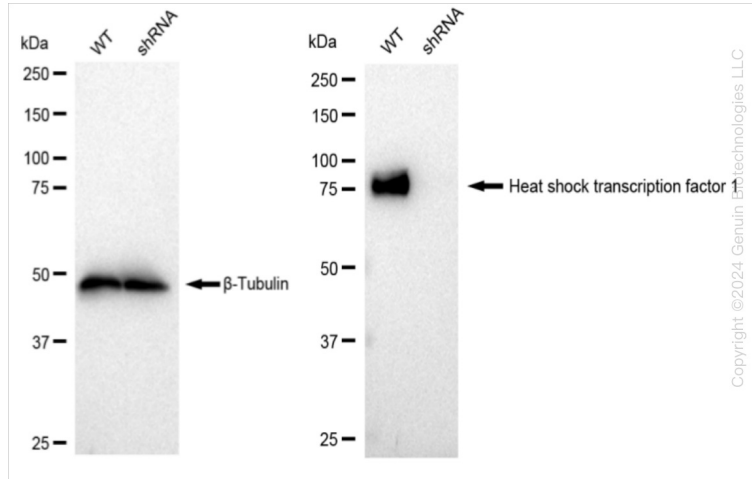
Product data:

Product Type:	Knockdown Lysates
Description:	WB-validated HSF1 Knockdown 293T Cell Lysate
Species:	Human
Expression Host:	293T
Tag:	Tag Free
Synonyms:	HSF1; Heat Shock Transcription Factor 1; HSTF1; Heat Shock Factor Protein 1; HSTF; HSF
Predicted MW:	57 kDa
Components:	1 vial of 100 ug WT 293T cell lysate 1 vial of 100 ug HSF1 KD 293T cell lysate
Storage:	Store at -20 °C for two years.
Concentration:	Lot-specific
Buffer:	IntactProtein Cell-Tissue Lysis buffer
Locus ID:	3297
UniProt ID:	Q00613
Protein Families:	Transcription Factors



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Product images:



Genotype	Ct Value
Wild-Type	20.14
Knock-Down	22.47
Δ Ct (Ct _{KD} -Ct _{WT})	2.33
% mRNA Reduction	↓ 80%

RT-qPCR analysis. 293T cells were infected with HSF1-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. Δ Ct (Ct_{KD}-Ct_{WT}) was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: $(1 - 1/2^{\Delta\text{Ct}}) \times 100\%$.