

Product datasheet for LY300004

Product datasneet 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

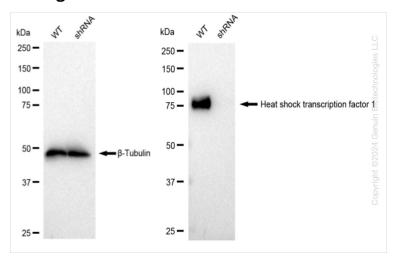
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

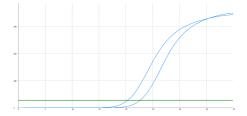
Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



Product images:



Western blotting analysis. HSF1 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 HSF1 and β -Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ $^{\text{IM}}$ ECL Substrate Kit.



| Genotype | Ct Value |
|-------------------------------|----------------------------|
| Wild-Type | 20.14 |
| Knock-Down | 22.47 ^{un} |
| $\Delta Ct (Ct_{KD}-Ct_{WT})$ | 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 (CtKD-CtWT) was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: (1-1/2 Δ Ct) x 100%.