

Human SLBP Knockdown Cell Line (WB-Validated)



Catalog #: C65605

Aliases

SLBP; Stem-Loop Histone mRNA Binding Protein; HBP; Stem-Loop (Histone) Binding Protein; Histone RNA Hairpin-Binding Protein; Stem-Loop Binding Protein; Histone Binding Protein; Histone Stem-Loop Binding Protein; Histone Stem-Loop-Binding Protein; Hairpin Binding Protein, Histone

Background

Gene Name: SLBP

NCBI Gene Entry: [7884](#)

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human SLBP Knockdown Cell Line (Wb-Validated)
2. Wild-type cell line

Parental Cell Line

Human cell line supplied by the client

Validation Methods

RT-qPCR, Western blotting (WB)

Shipping

Shipped on Dry Ice.

Instructions For Use

This knockdown cell line should be paired with wild-type cell line for use.

Note: This product is for research use only.

Validation Data

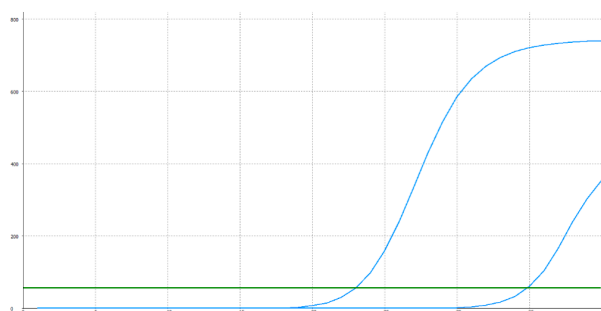
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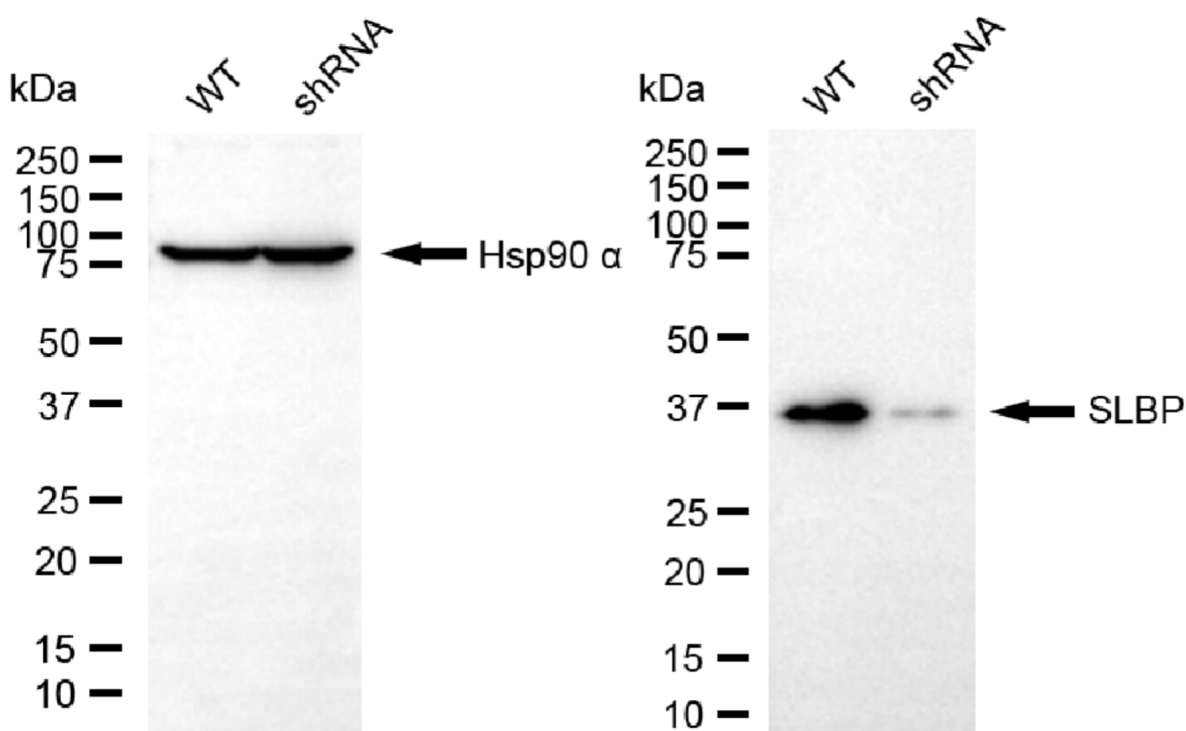
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Genotype	Ct Value
Wild-Type	22.89
Knock-Down	33.50
$\Delta Ct (Ct_{KD}-Ct_{WT})$	10.61
% mRNA Reduction	↓ 99.9%

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RT-qPCR analysis. HT-1080 cells were infected with SLBP-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: $(1-1/2^{\Delta Ct}) \times 100\%$.



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Western blotting analysis. SLBP protein expression in wild-type (WT) and shRNA knockdown (KD) HT-1080 cells was detected using Western blotting. Hsp90 α served as a loading control. The blots were incubated with primary antibodies against SLBP and Hsp90 α , respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using NaQ™ ECL Substrate Kit.