

Human EIF2S1 Knockdown Cell Line (WB-Validated)



Catalog #: C63068

Aliases

EIF2S1; Eukaryotic Translation Initiation Factor 2 Subunit Alpha;
EIF-2alpha; EIF2A; Eukaryotic Translation Initiation Factor 2, Subunit 1 Alpha, 35kDa;
Eukaryotic Translation Initiation Factor 2 Subunit 1; EIF-2-Alpha; EIF2-Alpha; EIF-2A; EIF2;
Eukaryotic Translation Initiation Factor 2, Subunit 1 (Alpha, 35kD); EIF-2

Background

Gene Name: EIF2S1
NCBI Gene Entry: [1965](#)

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human EIF2S1 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

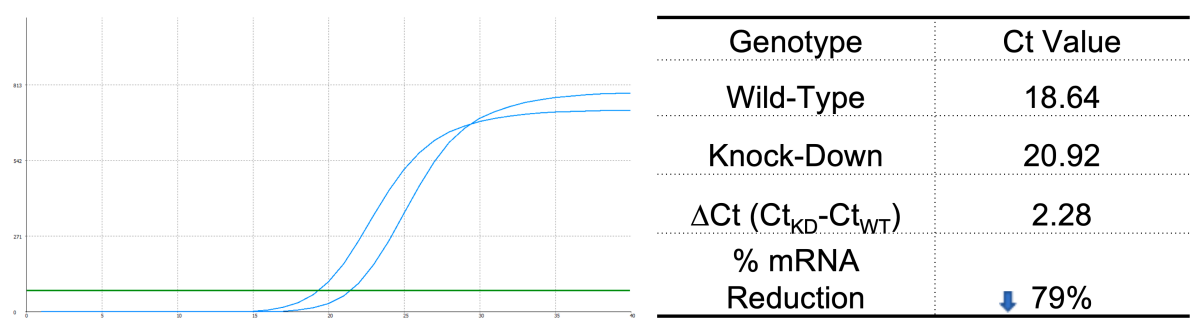
SUPPORT

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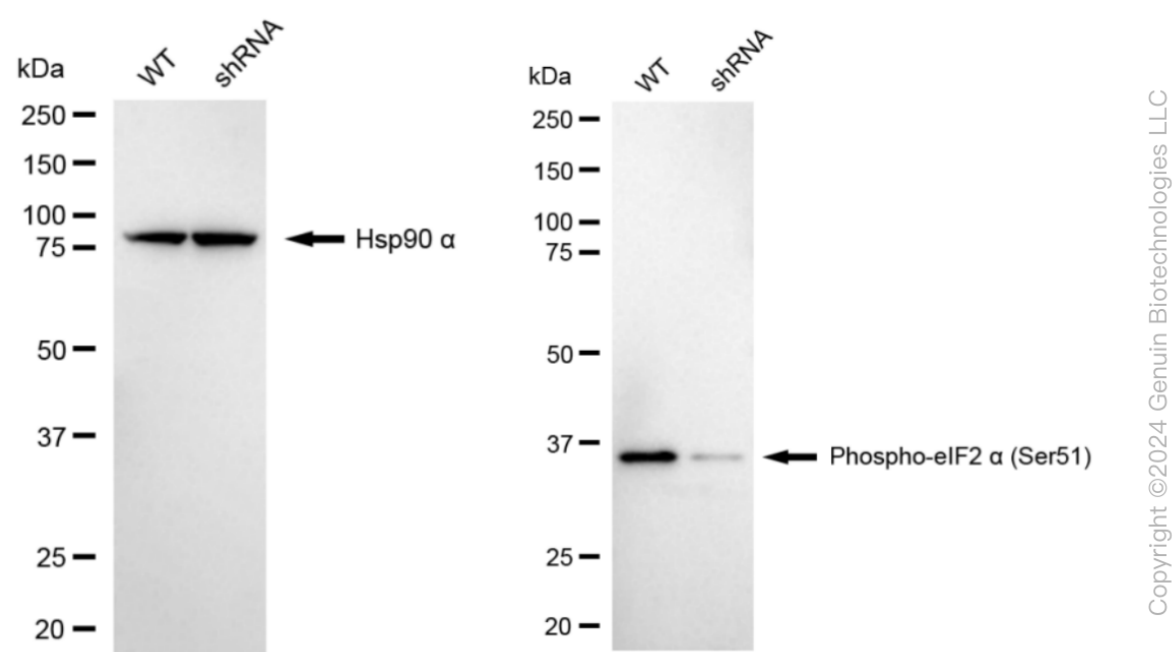
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RT-qPCR analysis. HeLa cells were infected with EIF2S1-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. $\Delta Ct (Ct_{KD} - Ct_{WT})$ was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: $(1 - 1/2^{\Delta Ct}) \times 100\%$.



Western blotting analysis. EIF2S1 protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting. Hsp90 α served as a loading control. The blots were incubated with primary antibodies against EIF2S1 and Hsp90 α, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.