

Human E2F4 Knockdown Cell Line (WB-Validated)



Catalog #: C63375

Aliases

E2F4; E2F Transcription Factor 4; E2F-4; E2F Transcription Factor 4, P107/P130-Binding; Transcription Factor E2F4; P107/P130-Binding Protein

Background

Gene Name: E2F4

NCBI Gene Entry: [1874](#)

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human E2F4 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

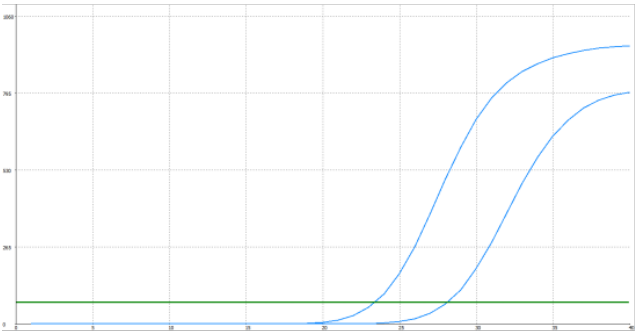
SUPPORT

SUPPORT@GENUINBIOTECH.COM
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ORDERS

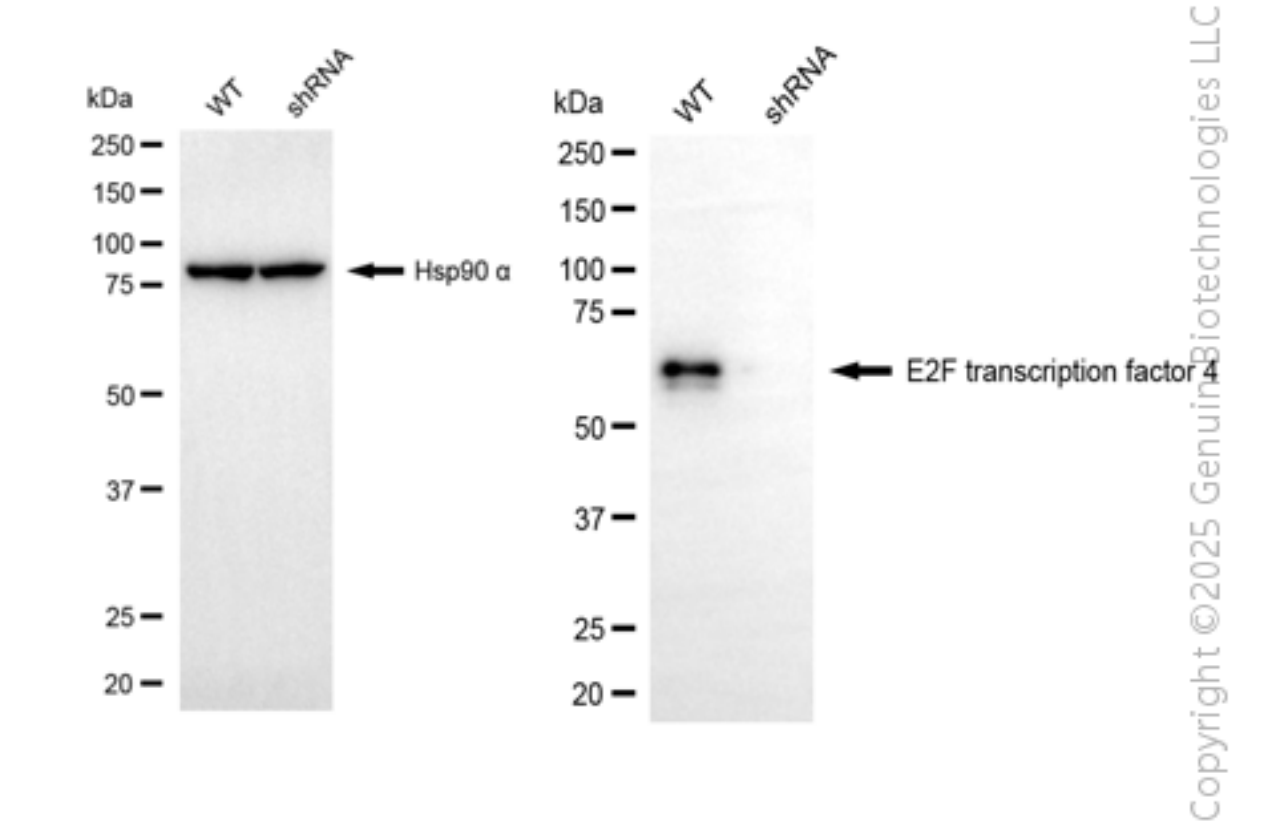
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Genotype	Ct Value
Wild-Type	23.23
Knock-Down	27.63
Δ Ct (CtKD-CtWT)	4.40
% mRNA Reduction	95%

RT-qPCR analysis. HeLa cells were infected with E2F4-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: $(1-1/2^{\Delta\text{Ct}}) \times 100\%$.



Western blotting analysis. E2F4 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 E2F4 and Hsp90 α , respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed

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using FeQ™ ECL Substrate Kit.

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