Human CCDC93 Knockdown Cell Line (WB-Validated)

Catalog #: C63810

Aliases

CCDC93; Coiled-Coil Domain Containing 93; Coiled-Coil Domain-Containing Protein 93; FLJ10996

Background

Gene Name: CCDC93
NCBI Gene Entry: 54520

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human CCDC93 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.

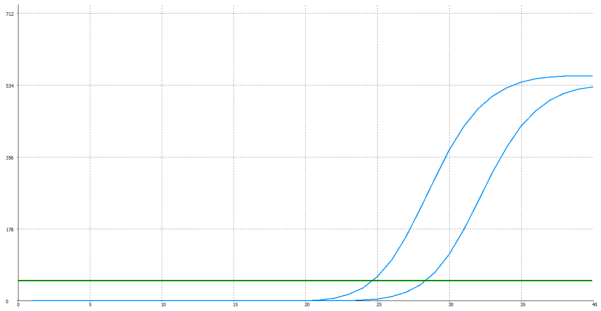
Instructions For Use

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

Note: This product is for research use only.

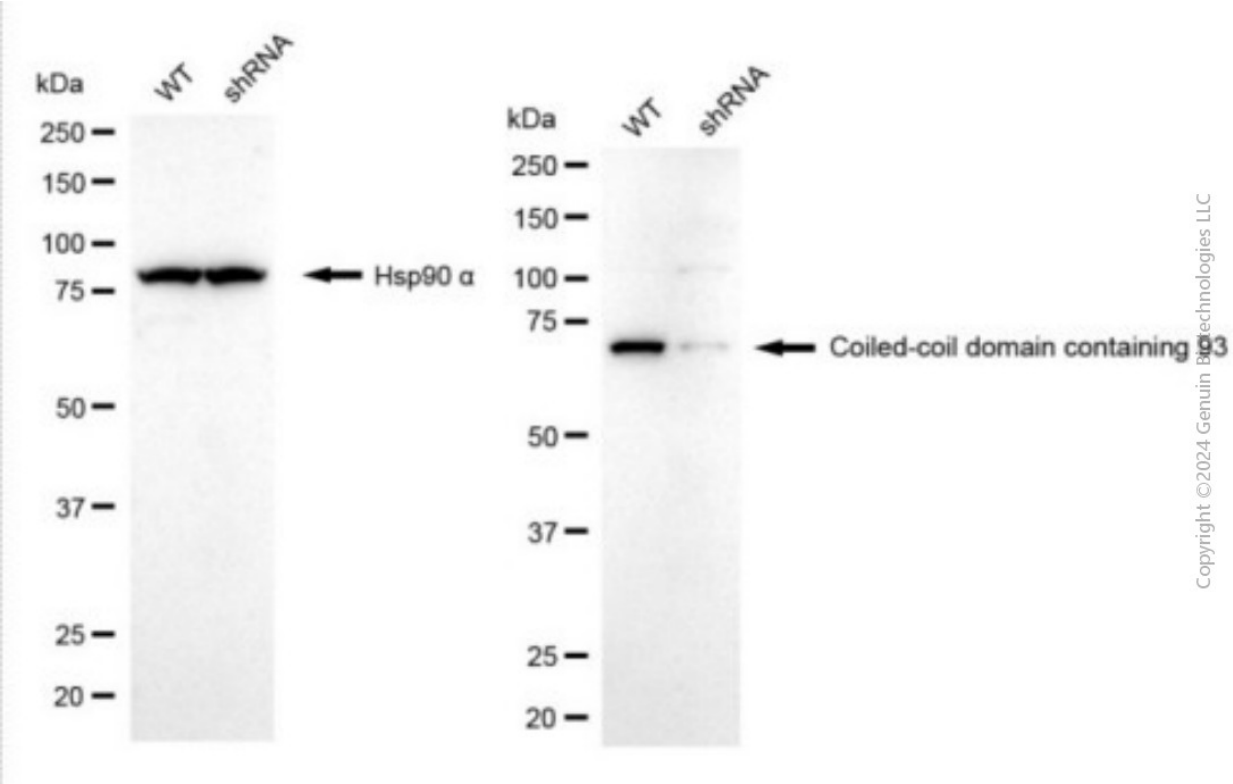
Validation Data

Human CCDC93 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	24.26
Knock-Down	27.87
ΔCt (Ct_{KD}-Ct_{WT})	3.61
% mRNA Reduction	⬇ 92%

RT-qPCR analysis. HT-1080 cells were infected with CCDC93-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. ΔCt (CtKD-CtWT) was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: (1-1/2ΔCt) x 100%.



Western blotting analysis. CCDC93 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 CCDC93 and Hsp90 α, respectively, followed by incubating with HRP-conjugated goat anti-mouse secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.