Human CWC27 Knockdown Cell Line (WB-Validated)

Catalog #: C63874

Aliases

CWC27; CWC27 Spliceosome Associated Cyclophilin; Serologically Defined Colon Cancer Antigen 10; SDCCAG-10; NY-CO-10; SDCCAG10; Probable Inactive Peptidyl-Prolyl Cis-Trans Isomerase CWC27 Homolog; CWC27 Spliceosome Associated Protein Homolog; Spliceosome-Associated Protein CWC27 Homolog; Antigen NY-CO-10; PPIase CWC27; CWC27 Spliceosome-Associated Protein Homolog (S. Cerevisiae); Peptidyl-Prolyl Cis-Trans Isomerase CWC27 Homolog; CWC27 Spliceosome-Associated Protein Homolog; Peptidyl-Prolyl Cis-Trans Isomerase SDCCAG10; PPIase SDCCAG10; RPSKA

Background

Gene Name: CWC27
NCBI Gene Entry: 10283

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human CWC27 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.

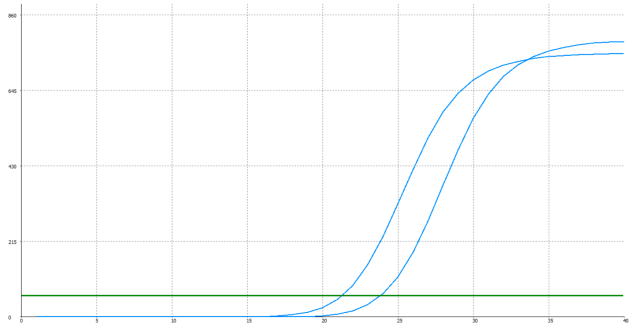
Instructions For Use

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

Note: This product is for research use only.

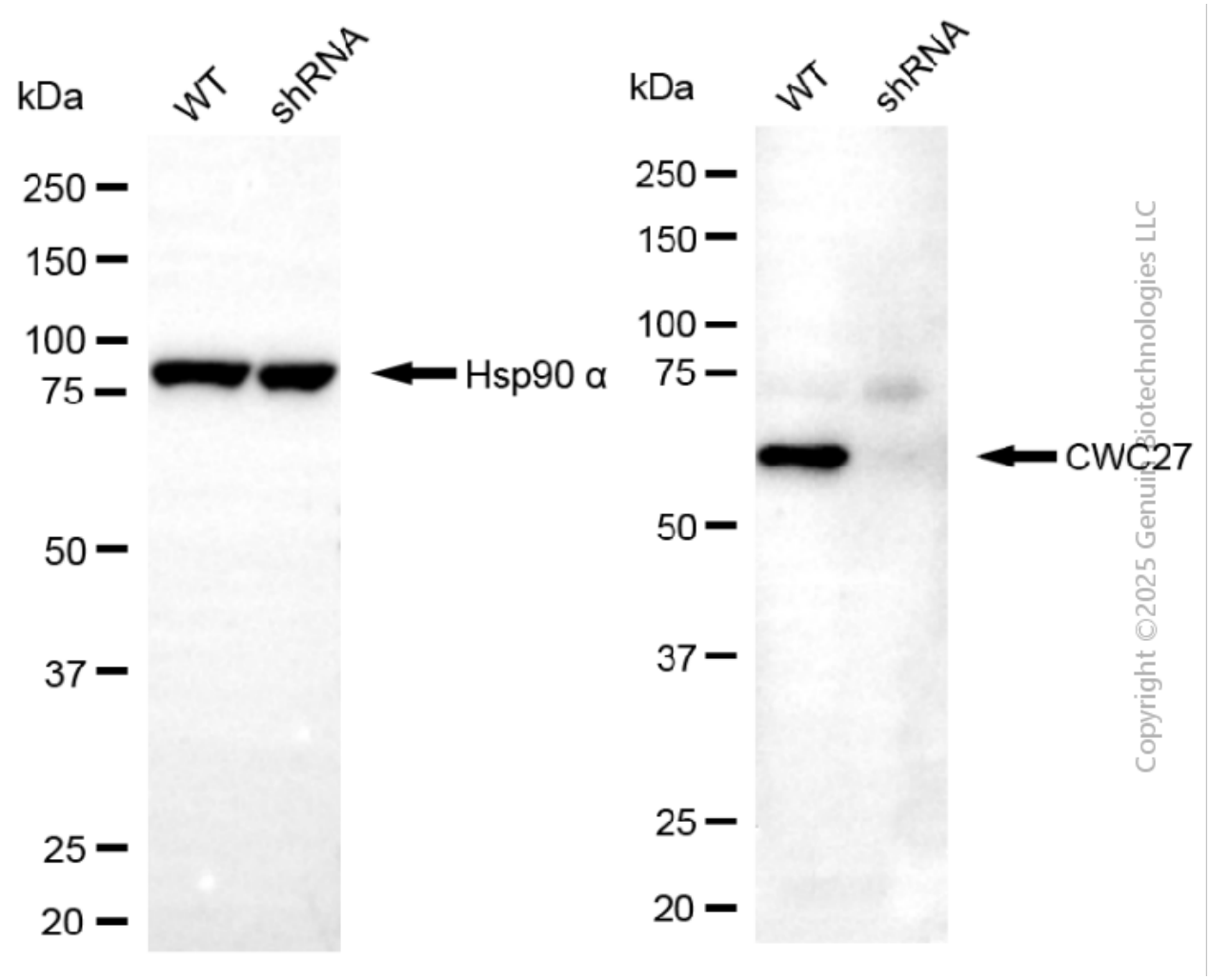
Validation Data

Human CWC27 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	21.07
Knock-Down	23.68
$\Delta Ct\ (Ct_{KD}\text{-}Ct_{WT})$	2.61
% mRNA Reduction	⬇84%

RT-qPCR analysis. HeLa cells were infected with CWC27-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. CWC27 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 CWC27 and Hsp90 α, respectively, followed

by incubating with HRP-conjugated goat anti-mouse secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.