

Human CCNE2 Knockdown Cell Line (WB-Validated)



Catalog #: C61601

Aliases

CCNE2; Cyclin E2; CYCE2; G1/S-Specific Cyclin-E2

Background

Gene Name: CCNE2

NCBI Gene Entry: [9134](#)

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human CCNE2 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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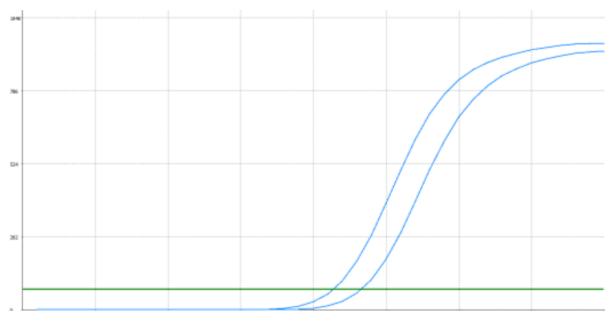
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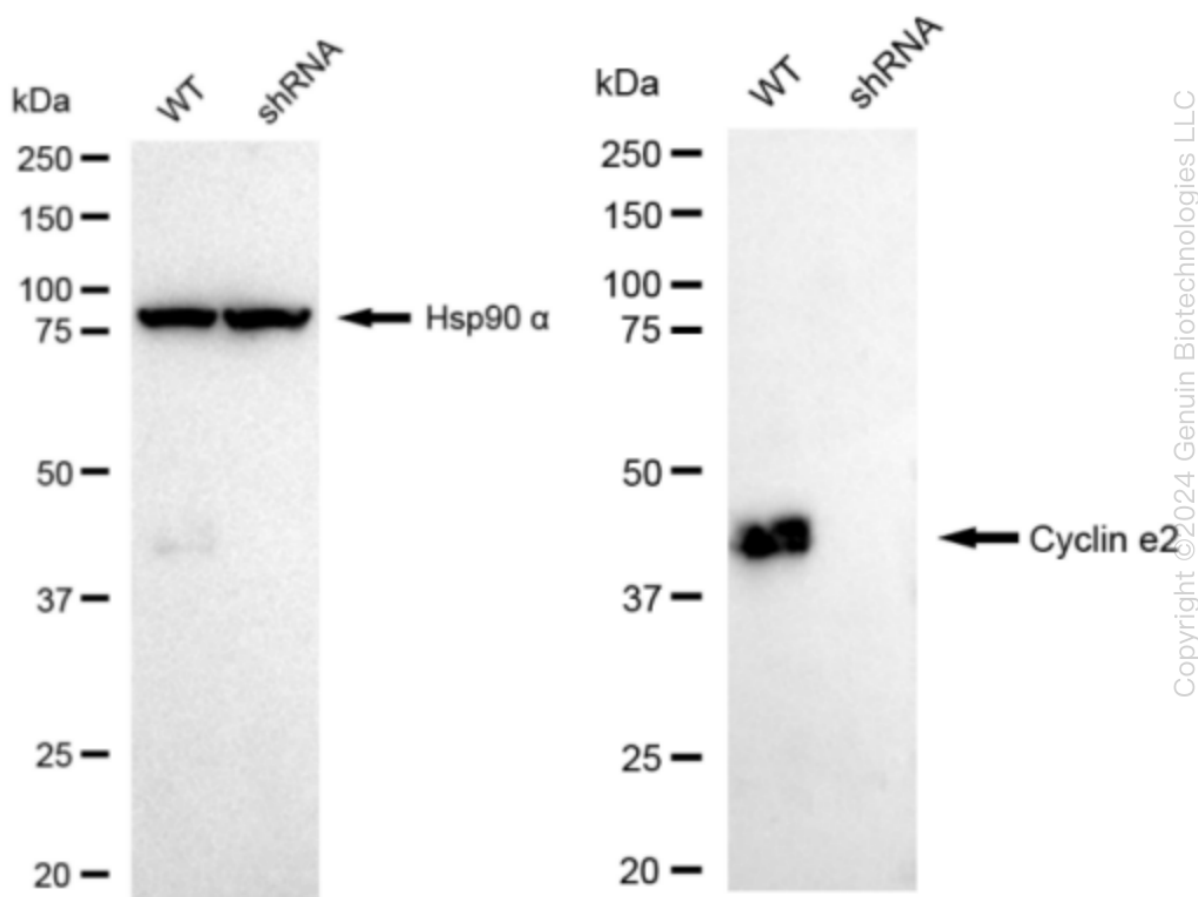
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| Genotype | Ct Value |
|---------------------------------|----------|
| Wild-Type | 21.24 |
| Knock-Down | 23.13 |
| $\Delta Ct (Ct_{KD} - Ct_{WT})$ | 1.89 |
| % mRNA Reduction | ↓ 73% |

RT-qPCR analysis. HeLa cells were infected with CCNE2-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. CCNE2 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 (Cat#61601, 1:5,000) against CCNE2 and Hsp90 α , respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000). Images were developed using FeQ™ ECL Substrate Kit (Cat#226).

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