

Human CCND1 Knockdown Cell Line (WB-Validated)



Catalog #: C1151

Aliases

CCND1; Cyclin D1; U21B31; PRAD1; BCL1; B-Cell Lymphoma 1 Protein; G1/S-Specific Cyclin-D1; B-Cell CLL/Lymphoma 1; BCL-1 Oncogene; PRAD1 Oncogene; D11S287E; Cyclin D1 (PRAD1: PaRathyroid Adenomatosis 1); PaRathyroid Adenomatosis 1; G1/S-Specific Cyclin D1; BCL-1

Background

Gene Name: CCND1

NCBI Gene Entry: [595](#)

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human CCND1 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

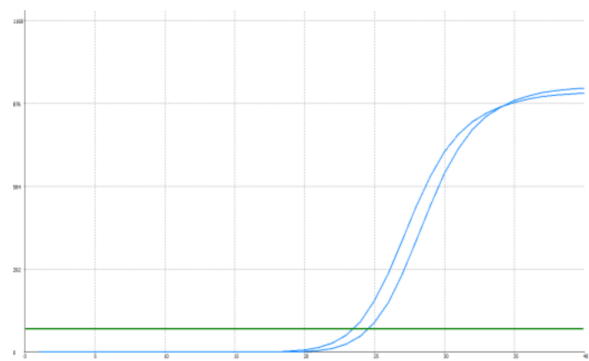
SUPPORT

SUPPORT@GENUINBIOTECH.COM
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ORDERS

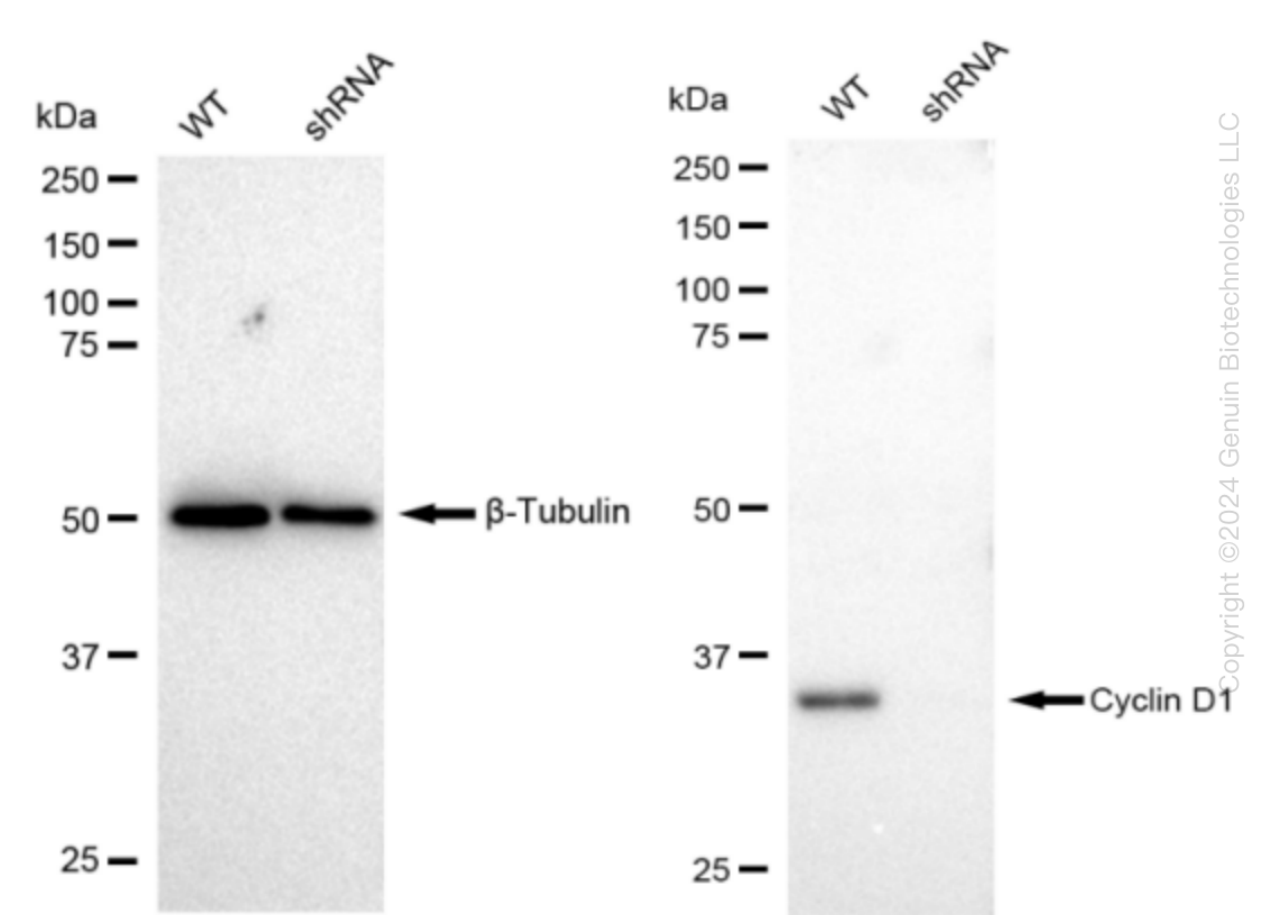
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Genotype	Ct Value
Wild-Type	23.10
Knock-Down	24.20
Δ Ct (Ct _{KD} -Ct _{WT})	1.1
% mRNA Reduction	↓ 53%

RT-qPCR analysis. HeLa cells were infected with CCND1-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. Δ 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) x 100%.



Western blotting analysis. CCND1 protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting. β -Tubulin served as a loading control. The blots were incubated with primary antibodies (Cat#69541, 1:10,000) against CCND1 and β -

Tubulin, 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).