

Human CUL4A Knockdown Cell Line (WB-Validated)



Catalog #: C81744

Aliases

CUL4A; Cullin 4A; Cullin-4A; CUL-4A

Background

Gene Name: CUL4A

NCBI Gene Entry: [8451](#)

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human CUL4A 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
TEL: +1-540-855-7041

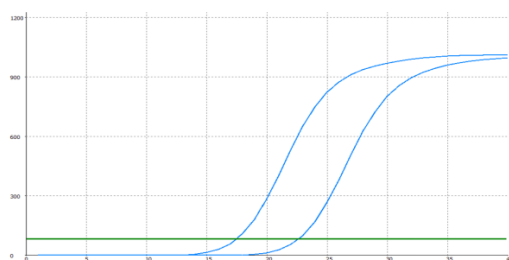
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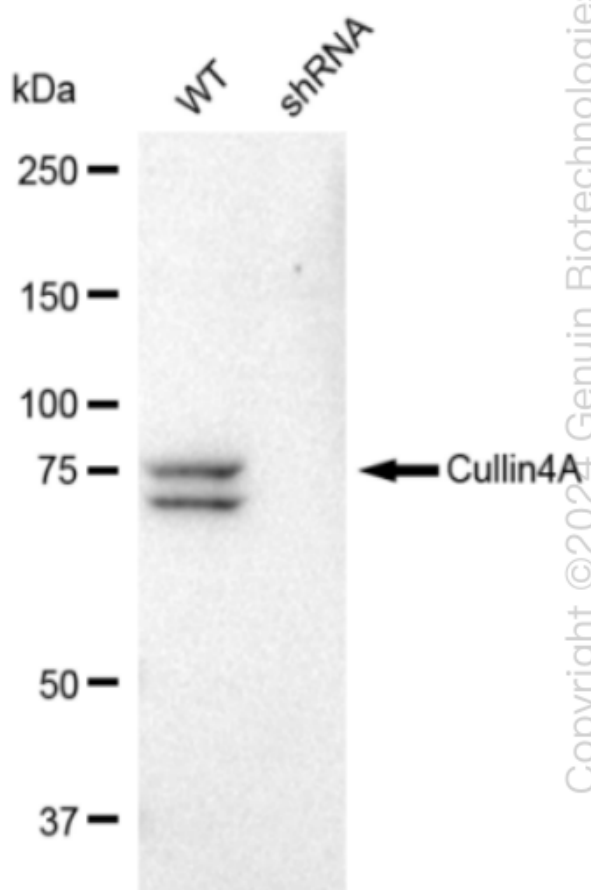
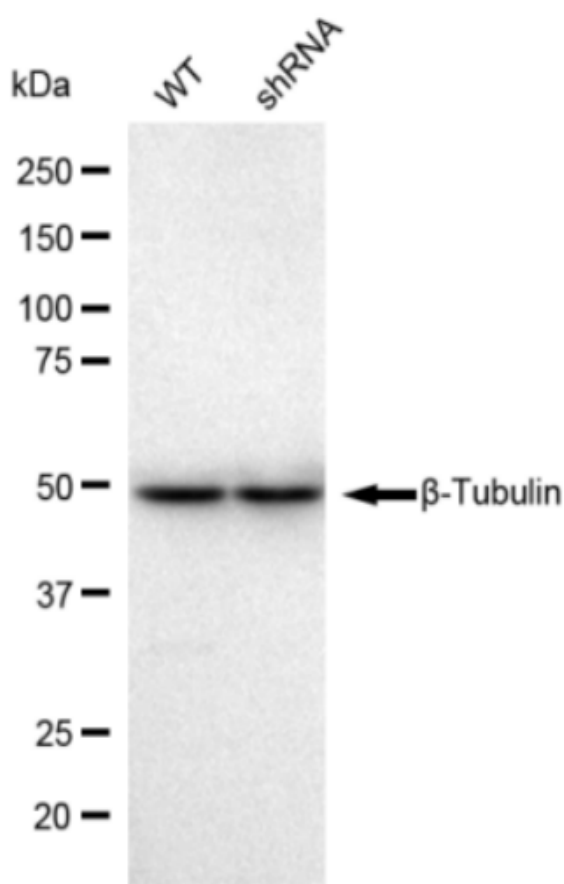
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Genotype	Ct Value
Wild-Type	17.27
Knock-Down	22.35
$\Delta Ct (Ct_{KD} - Ct_{WT})$	5.08
% mRNA Reduction	↓ 97%

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RT-qPCR analysis. HeLa cells were infected with CUL4A-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: $(1 - 1/2^{\Delta Ct}) \times 100\%$.



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Western blotting analysis. CUL4 protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting. Beta-TUBULIN served as a loading control.

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The blots were incubated with primary antibodies (Cat#61744, 1:10,000) against CUL4 and Beta-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).

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