Human CDC123 Knockdown Cell Line (WB-Validated)

Catalog #: C63261

Aliases

CDC123; Cell Division Cycle 123; D123; Cell Division Cycle Protein 123 Homolog; C10orf7; HT-1080; PZ32; Cell Division Cycle 123 Homolog (S. Cerevisiae); Chromosome 10 Open Reading Frame 7; Cell Division Cycle 123 Homolog; Protein D123; C10ORF7

Background

Gene Name: CDC123
NCBI Gene Entry: 8872

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human CDC123 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.

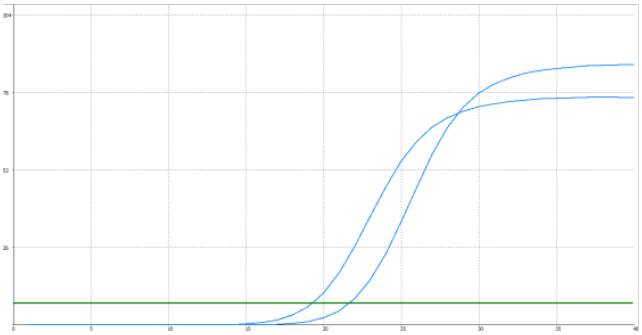
Instructions For Use

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

Note: This product is for research use only.

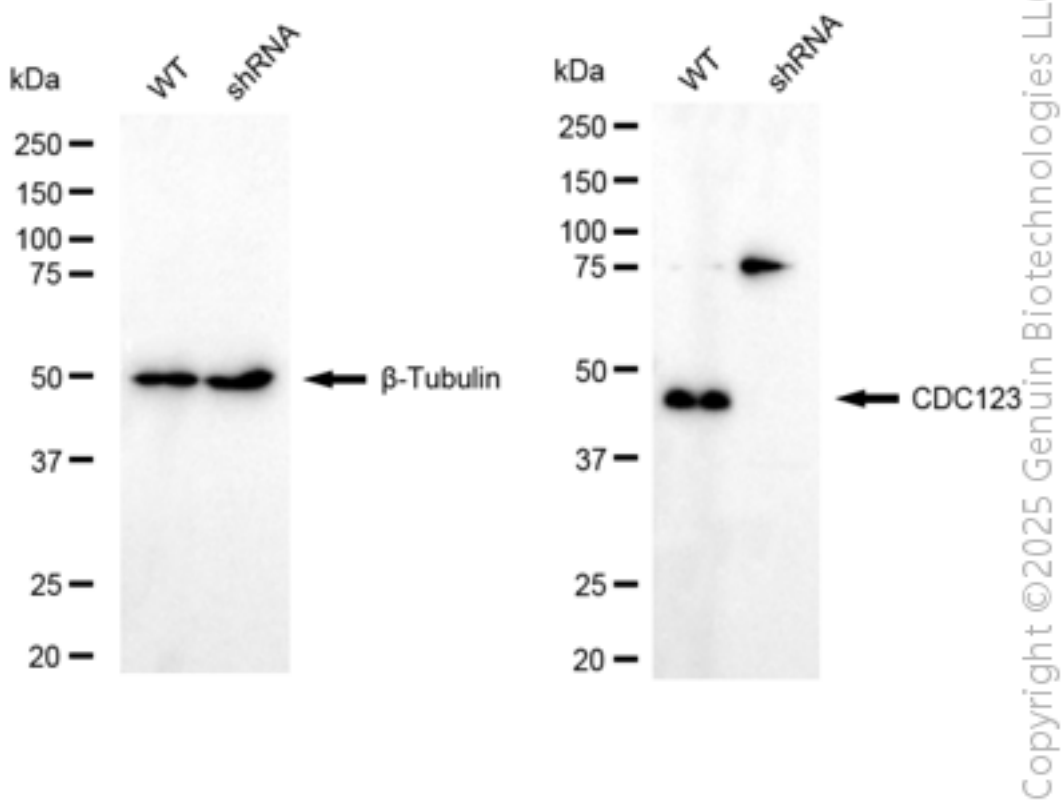
Validation Data

Human CDC123 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	18.76
Knock-Down	21.36
ΔCt (CtKD-CtWT)	2.60
% mRNA Reduction	84%

RT-qPCR analysis. HeLa cells were infected with CDC123-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. CDC123 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 against CDC123 and β-Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.