Human CDC23 Knockdown Cell Line (WB-Validated)

Catalog #: C61388

Aliases

CDC23; Cell Division Cycle 23; ANAPC8; APC8; CUT23; Cell Division Cycle Protein 23 Homolog; Anaphase-Promoting Complex Subunit 8; Cyclosome Subunit 8; CDC23 (Cell Division Cycle 23, Yeast, Homolog); Cell Division Cycle 23 Homolog (S. Cerevisiae); Anaphase Promoting Complex Subunit 8; Cell Division Cycle 23 Homolog

Background

Gene Name: CDC23
NCBI Gene Entry: 8697

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human CDC23 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.

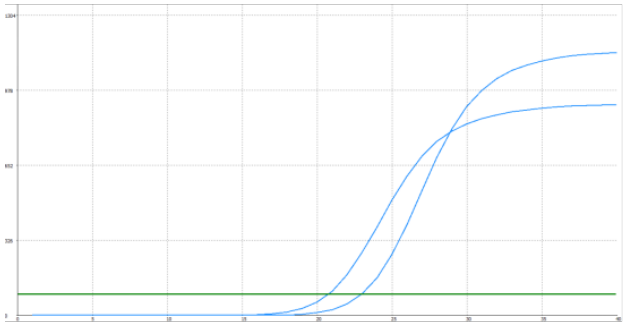
Instructions For Use

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

Note: This product is for research use only.

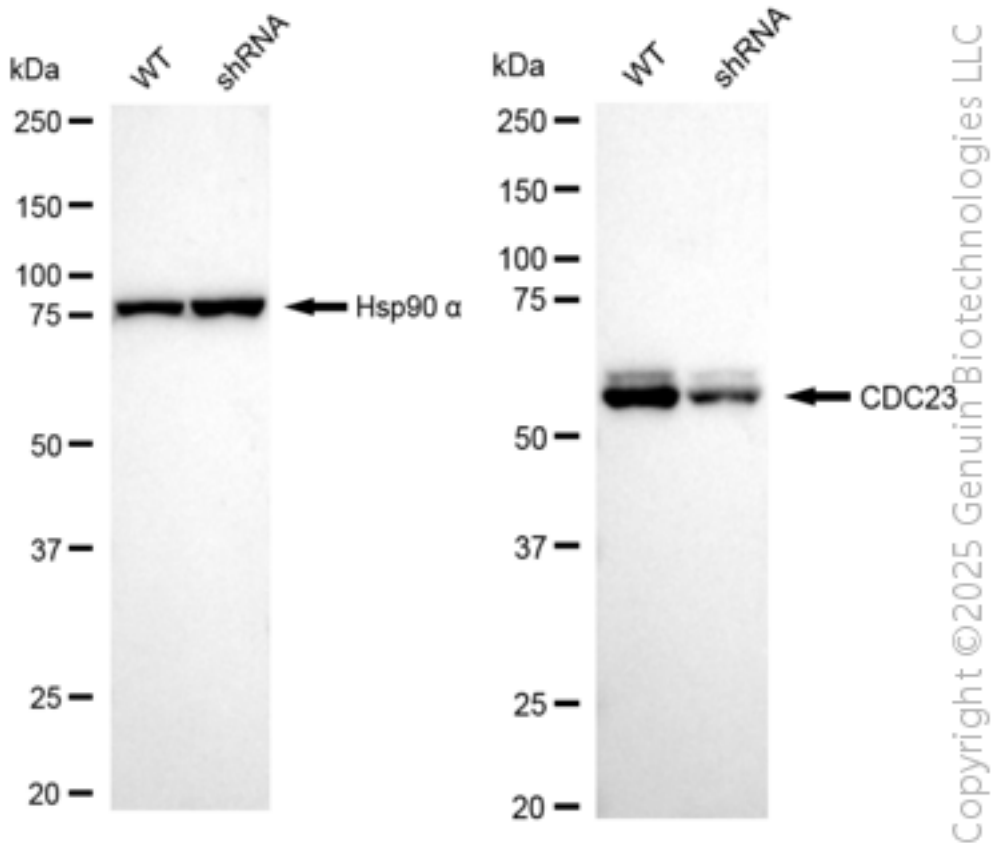
Validation Data

Human CDC23 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	20.15
Knock-Down	22.72
ΔCt (CtKD-CtWT)	2.57
% mRNA Reduction	83%

RT-qPCR analysis. HeLa cells were infected with CDC23-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. CDC23 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 CDC23 and Hsp90 α, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.