Human RING1 Knockdown Cell Line (WB-Validated)

Catalog #: C69351

Aliases

RING1; Ring Finger Protein 1; RNF1; RING-Type E3 Ubiquitin Transferase RING1; Really Interesting New Gene 1 Protein; E3 Ubiquitin-Protein Ligase RING1; Polycomb Complex Protein RING1; RING Finger Protein 1; EC 2.3.2.27; EC 6.3.2; RING1A

Background

Gene Name: RING1
NCBI Gene Entry: 6015

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human RING1 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.

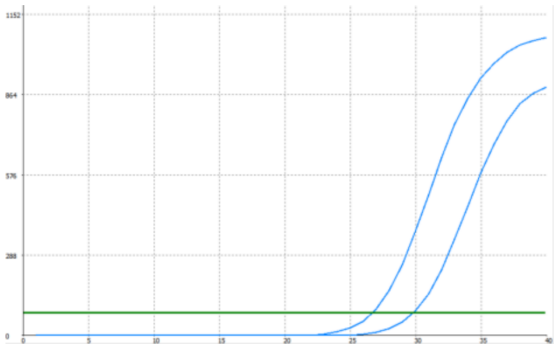
Instructions For Use

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

Note: This product is for research use only.

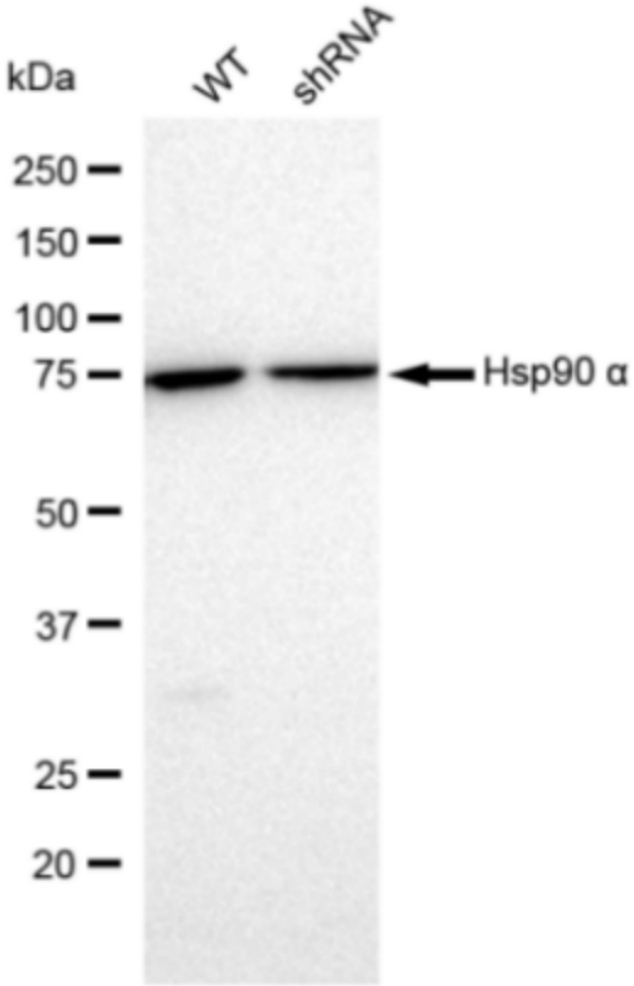
Validation Data

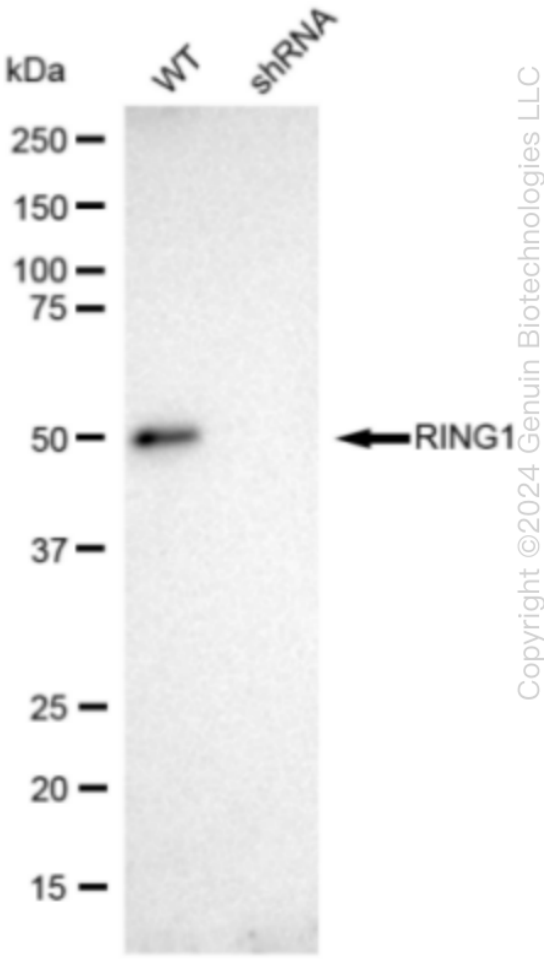
Human RING1 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	26.56
Knock-Down	26.36
ΔCt (Ct_{KD}-Ct_{WT})	2.80
% mRNA Reduction	⬇ 86%

RT-qPCR analysis. HeLa cells were infected with RING1-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%.





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Western blotting analysis. RING1 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#69351, 1:5,000) against RING1 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).