

Human KRT10 Knockdown Cell Line (WB-Validated)



Catalog #: C62123

Aliases

KRT10; KeRatin 10; K10; CK10; KPP; KeRatin, Type I Cytoskeletal 10; KeRatin 10, Type I; CytokeRatin 10; CK-10; KeRatosis Palmaris Et Plantaris; Epidermolytic HyperkeRatosis; CytokeRatin-10; KeRatin-10; BCIE; EHK2; BIE; EHK; IHL

Background

Gene Name: KRT10

NCBI Gene Entry: [3858](#)

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human KRT10 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

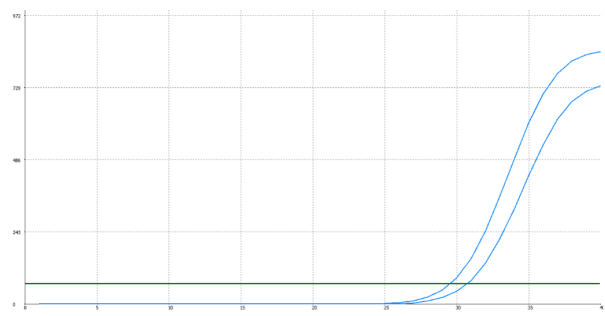
SUPPORT

SUPPORT@GENUINBIOTECH.COM
TEL: +1-540-855-7041

ORDERS

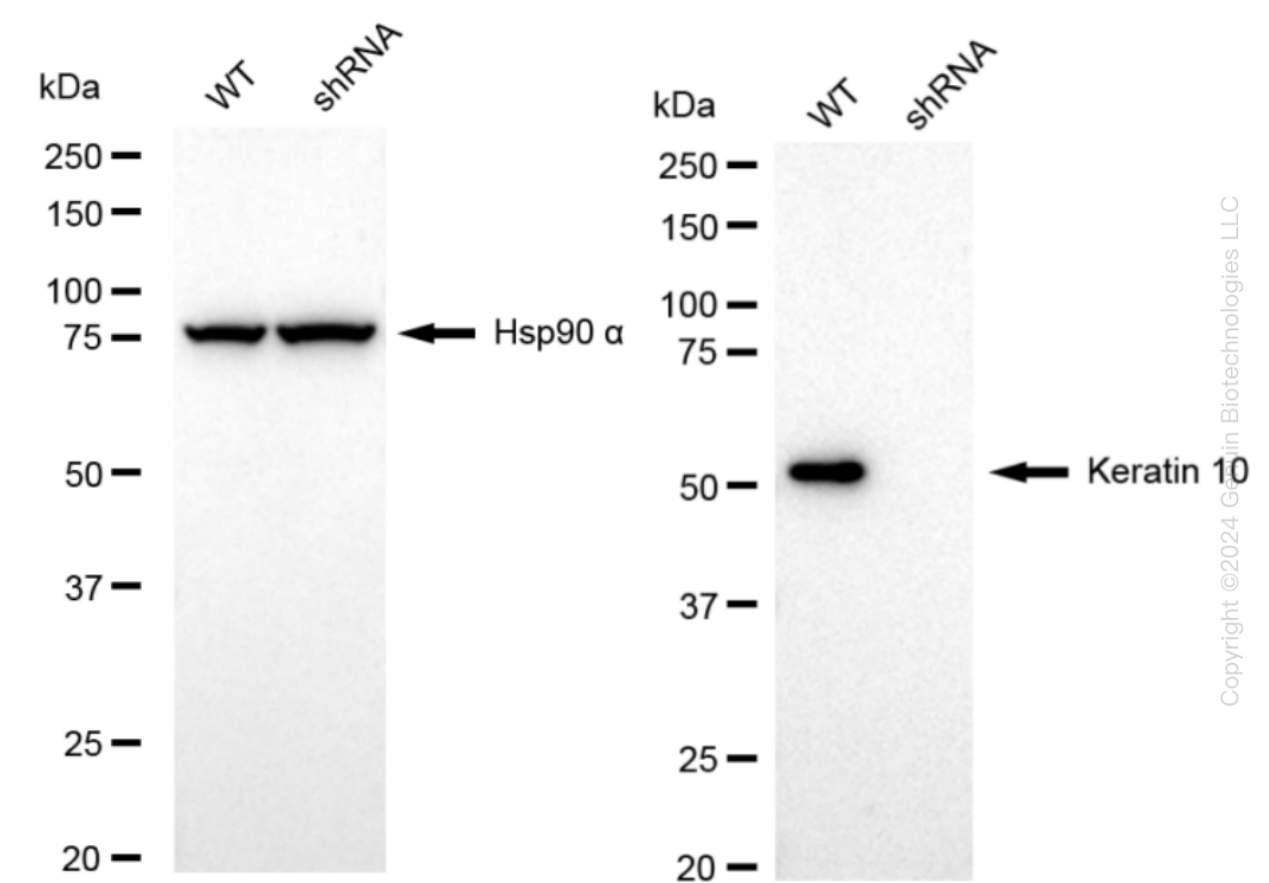
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Genotype	Ct Value
Wild-Type	29.33
Knock-Down	30.26
$\Delta\text{Ct} (\text{Ct}_{\text{KD}} - \text{Ct}_{\text{WT}})$	0.93
% mRNA Reduction	↓ 48%

RT-qPCR analysis. HeLa cells were infected with KRT10-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. $\Delta\text{Ct} (\text{Ct}_{\text{KD}} - \text{Ct}_{\text{WT}})$ was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: $(1 - 1/2^{\Delta\text{Ct}}) \times 100\%$.



Western blotting analysis. KRT10 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 KRT10 and Hsp90 α , respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.