

Human GDF3 Knockdown Cell Line (WB-Validated)



Catalog #: C61186

Aliases

GDF3; Growth Differentiation Factor 3; Growth/Differentiation Factor 3; MCOPCB6; MCOP7; GDF-3; KFS3

Background

Gene Name: GDF3

NCBI Gene Entry: [9573](#)

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human GDF3 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

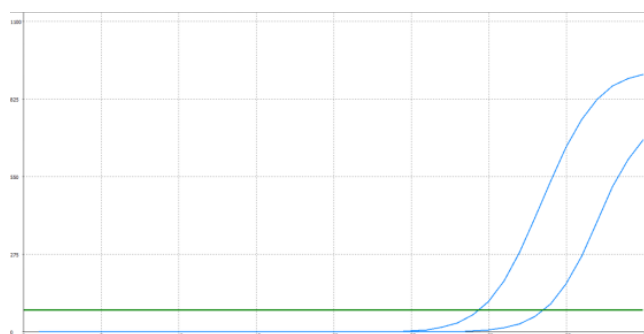
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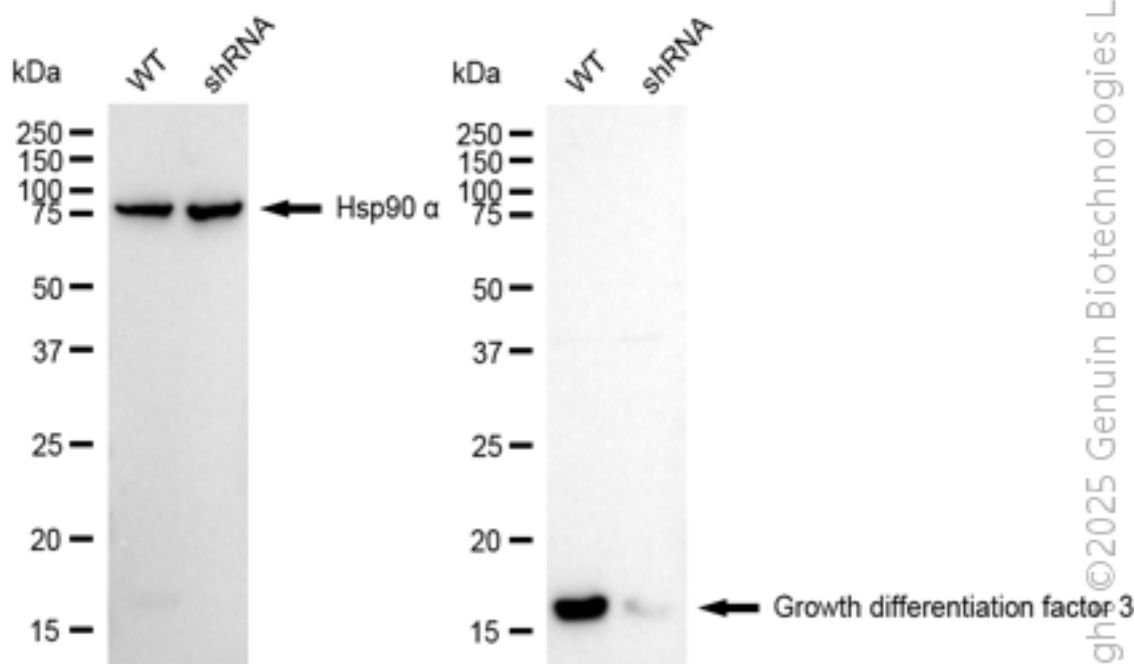
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Genotype	Ct Value
Wild-Type	29.09
Knock-Down	32.75
ΔCt (CtKD-CtWT)	3.66
% mRNA Reduction	92%

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RT-qPCR analysis. HeLa cells were infected with GDF3-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: $(1 - 1/2^{\Delta Ct}) \times 100\%$.



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Western blotting analysis. GDF3 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 GDF3 and Hsp90 α , respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.

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