

Human SHH Knockdown Cell Line (WB-Validated)



Catalog #: C62804

Aliases

SHH; Sonic Hedgehog Signaling Molecule; MCOPCB5; SMMCI; TPTPS; HHG1; TPT; Shh Unprocessed N-Terminal Signaling And C-Terminal Autoprocessing Domains; Sonic Hedgehog Protein; ShhNC; HLP3; HPE3; Sonic Hedgehog (Drosophila) Homolog; Sonic Hedgehog Homolog; EC 3.1.-.-; HHG-1

Background

Gene Name: SHH
NCBI Gene Entry: [6469](#)

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human SHH 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

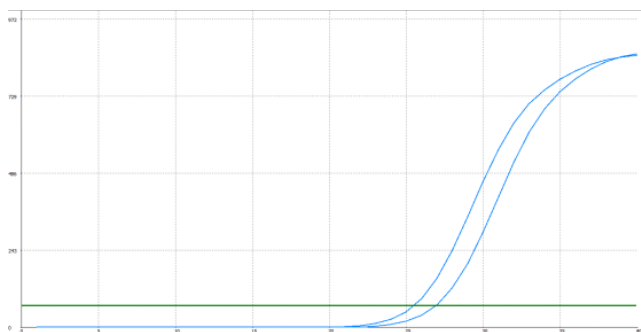
ORDERS

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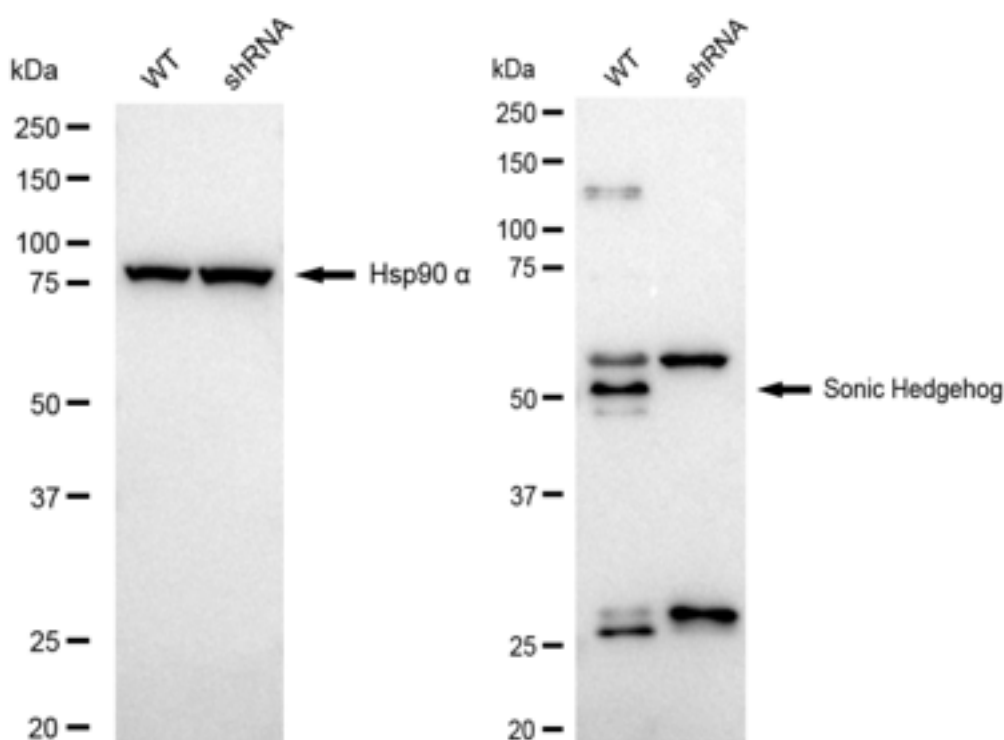
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Genotype	Ct Value
Wild-Type	25.29
Knock-Down	26.72
Δ Ct (CtKD-CtWT)	1.43
% mRNA Reduction	63%

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



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Western blotting analysis. SHH 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 SHH and Hsp90 α , respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed

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using FeQ™ ECL Substrate Kit.

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