

Human TUBG1 Knockdown Cell Line (WB-Validated)



Catalog #: C61875

Aliases

TUBG1; Tubulin Gamma 1; TUBGCP1; TUBG; Gamma-Tubulin Complex Component 1; Tubulin, Gamma Polypeptide; Tubulin Gamma-1 Chain; GCP-1; Tubulin, Gamma 1; Gamma-1-Tubulin; CDCBM4

Background

Gene Name: TUBG1
NCBI Gene Entry: [7283](#)

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human TUBG1 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
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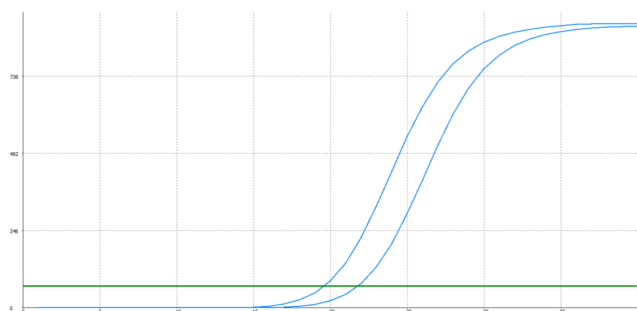
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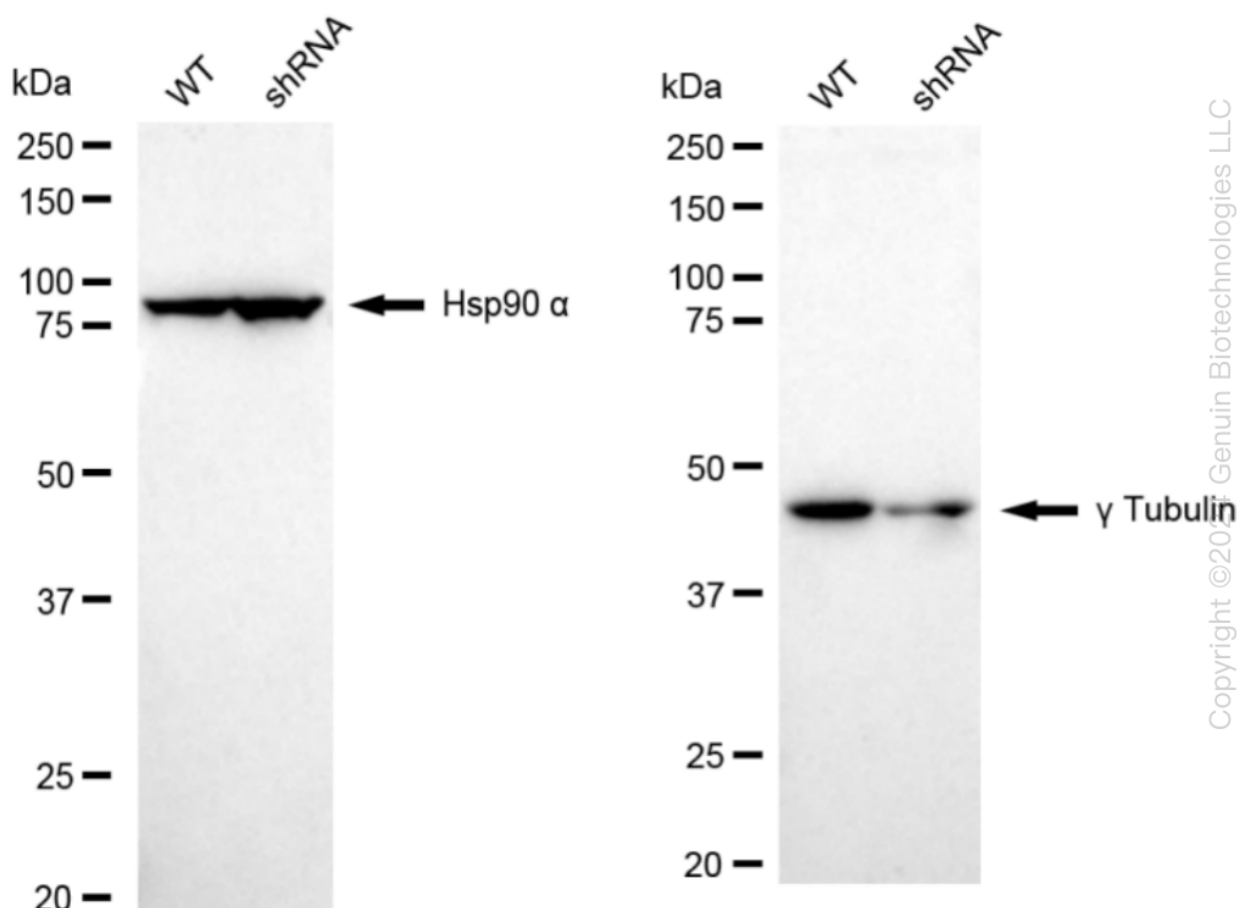
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Genotype	Ct Value
Wild-Type	19.46
Knock-Down	21.62
$\Delta Ct (Ct_{KD}-Ct_{WT})$	2.16
% mRNA Reduction	↓ 78%

RT-qPCR analysis. HeLa cells were infected with TUBG1-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. $\Delta Ct (Ct_{KD}-Ct_{WT})$ was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: $(1-1/2^{\Delta Ct}) \times 100\%$.



Western blotting analysis. TUBG1 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#61875, 1:5,000) against TUBG1 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).

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