Human TRIP10 Knockdown Cell Line (WB-Validated)

Catalog #: C61839

Aliases

TRIP10; Thyroid Hormone Receptor Interactor 10; HSTP; CIP4; STP; STOT; Thyroid Receptor-Interacting Protein 10; Cdc42-Interacting Protein 4; TR-Interacting Protein 10; Salt Tolerant Protein; Salt ToleRator; Protein Felic; TRIP-10; Cdc42-Interacting Protein

Background

Gene Name: TRIP10
NCBI Gene Entry: 9322

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human TRIP10 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.

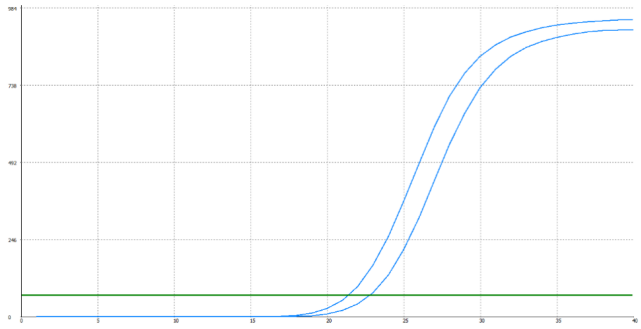
Instructions For Use

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

Note: This product is for research use only.

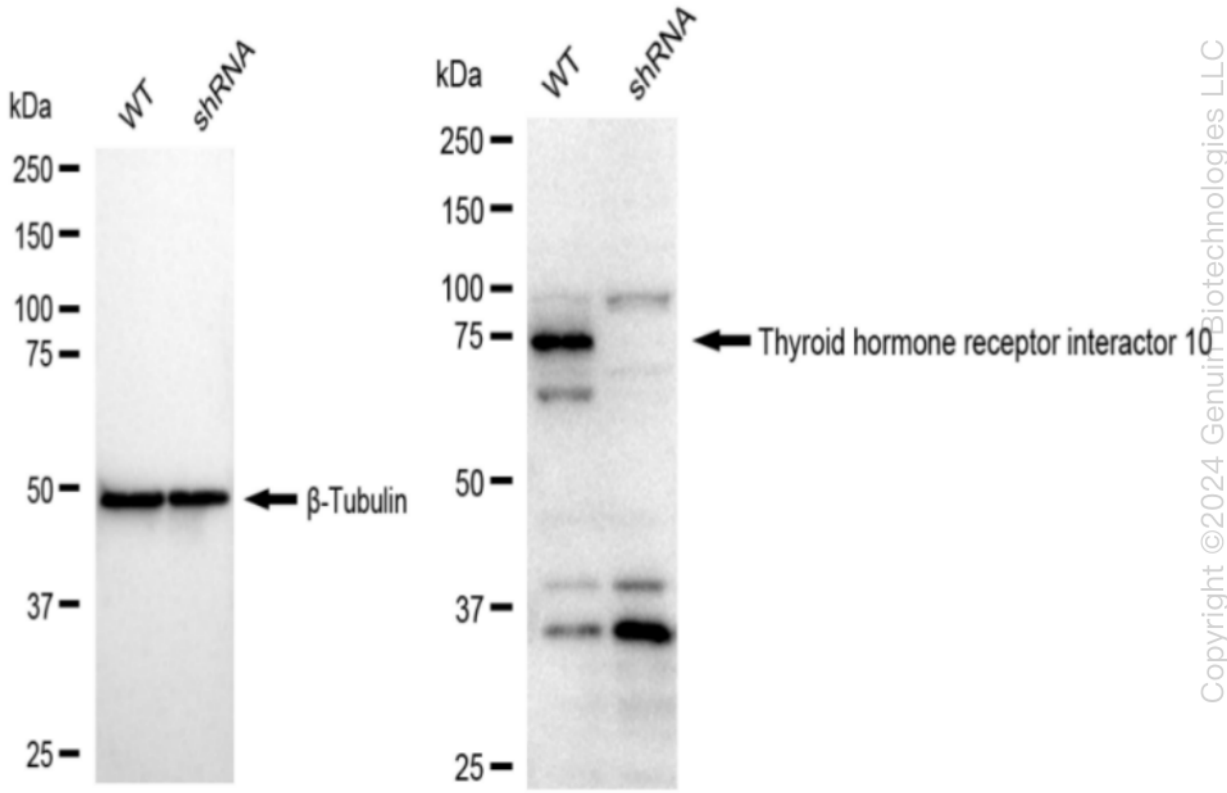
Validation Data

Human TRIP10 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	21.32
Knock-Down	22.67
ΔCt (Ct_{KD}-Ct_{WT})	1.35
% mRNA Reduction	⬇ 61%

RT-qPCR analysis. HeLa cells were infected with TRIP10-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%.



Western blotting analysis. TRIP10 protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting. β-Tubulin served as a loading control. The blots were incubated with primary antibodies (Cat#61839, 1:5,000) against TRIP10 and β-Tubulin, 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).