Human TRIM24 Knockdown Cell Line (WB-Validated)

Catalog #: C61722

Aliases

TRIM24; Tripartite Motif Containing 24; RNF82; TIF1A; HTIF1; TIF1; RING-Type E3 Ubiquitin Transferase TIF1-Alpha; Transcription Intermediary Factor 1-Alpha; Transcriptional Intermediary Factor 1; E3 Ubiquitin-Protein Ligase TRIM24; RING Finger Protein 82; TIF1-Alpha; Tripartite Motif-Containing Protein 24; Tripartite Motif-Containing 24; EC 2.3.2.27; TIF1ALPHA; EC 6.3.2; Tif1a; PTC6; TF1A

Background

Gene Name: TRIM24
NCBI Gene Entry: 8805

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human TRIM24 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.

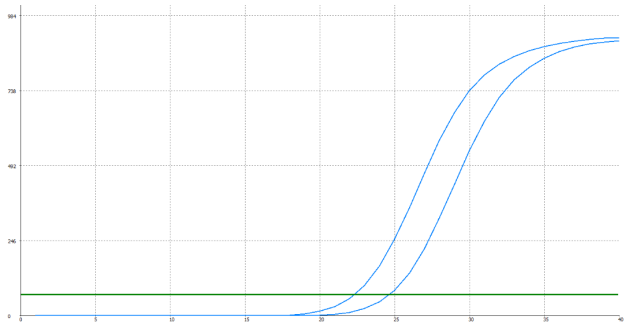
Instructions For Use

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

Note: This product is for research use only.

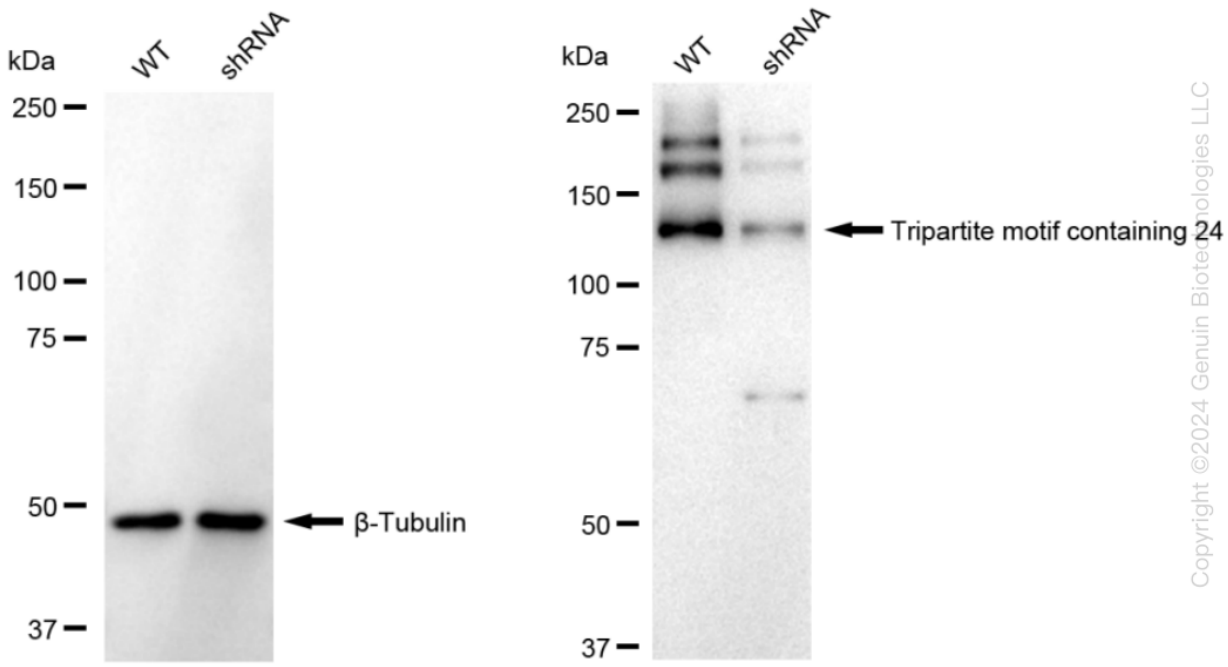
Validation Data

Human TRIM24 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	22.21
Knock-Down	24.48
ΔCt (Ct_{KD}-Ct_{WT})	2.27
% mRNA Reduction	⬇ 79%

RT-qPCR analysis. HeLa cells were infected with TRIM24-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. TRIM24 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 against TRIM24 and β-Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.