Human TIMELESS Knockdown Cell Line (WB-Validated)

Catalog #: C62818

Aliases

TIMELESS; Timeless Circadian Regulator; HTIM; TIM1; TIM; Timeless Circadian Clock 1; Protein Timeless Homolog; Timeless (Drosophila) Homolog; Timeless Homolog (Drosophila); Tof1 Homolog (S. Cerevisiae); Timeless Homolog; Tof1 Homolog; TIMELESS1; FASPS4

Background

Gene Name: TIMELESS
NCBI Gene Entry: 8914

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human TIMELESS 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.

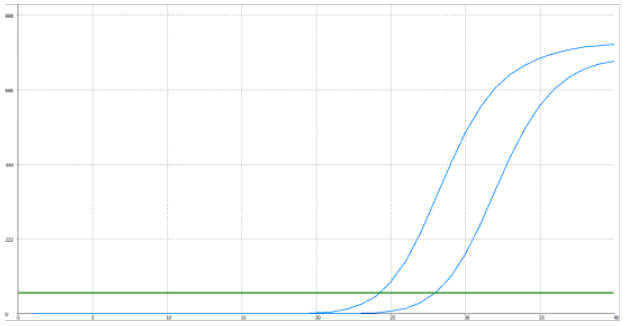
Instructions For Use

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

Note: This product is for research use only.

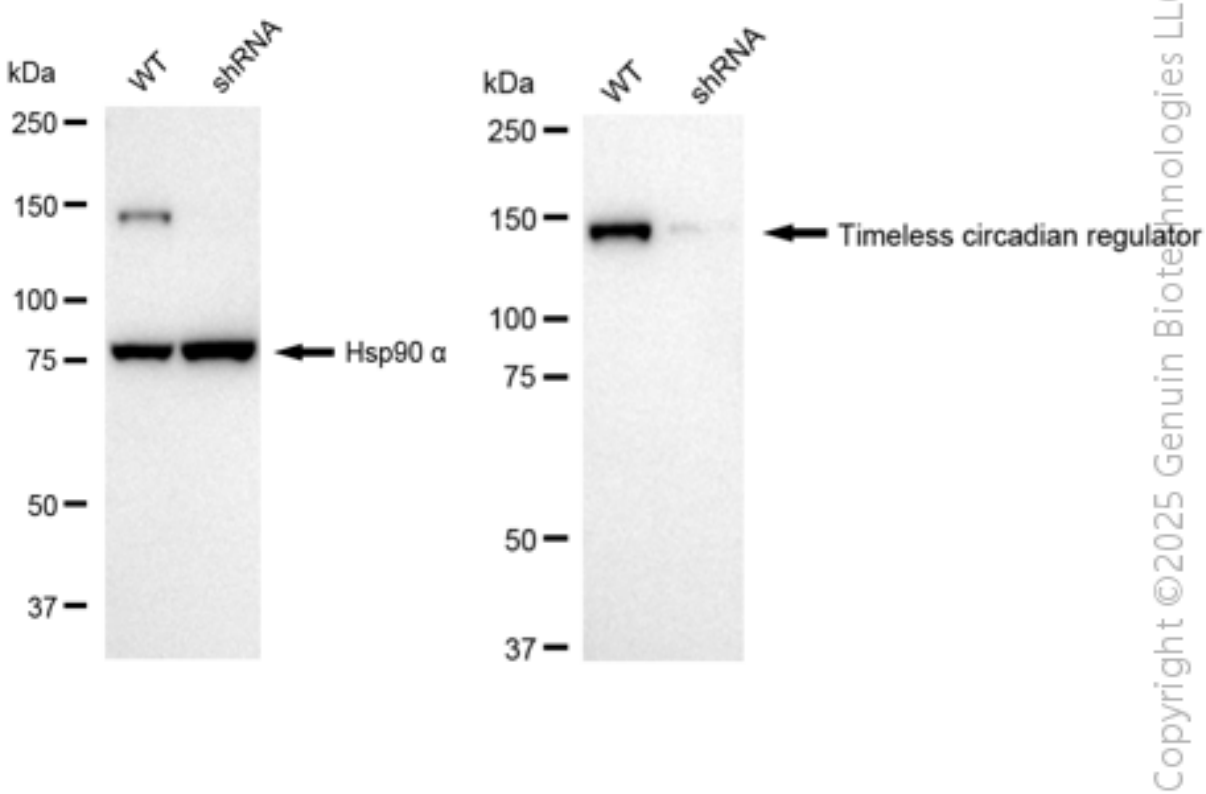
Validation Data

Human TIMELESS Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	24.10
Knock-Down	27.69
ΔCt (CtKD-CtWT)	3.59
% mRNA Reduction	92%

RT-qPCR analysis. HeLa cells were infected with TIMELESS-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. TIMELESS 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 TIMELESS and Hsp90 α,

respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.