Human H1-0 Knockdown Cell Line (WB-Validated)

Catalog #: C61126

Aliases

H1-0; H1.0 Linker Histone; H1.0; H1F0; H1FV; H1 Histone Family Member 0; H1.0, H1(0), H1-0; Histone H1(0); Histone H1.0; Histone H1'; H1 Histone Family, Member 0; H10

Background

Gene Name: H1-0
NCBI Gene Entry: 3005

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human H1-0 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.

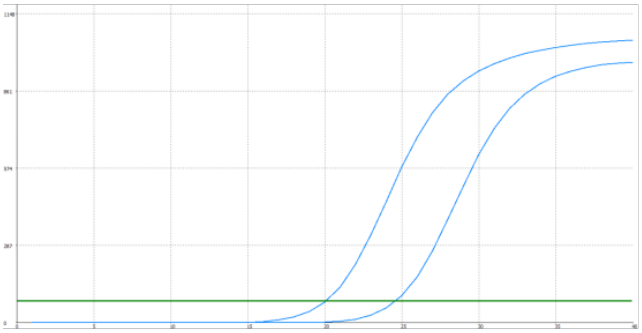
Instructions For Use

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

Note: This product is for research use only.

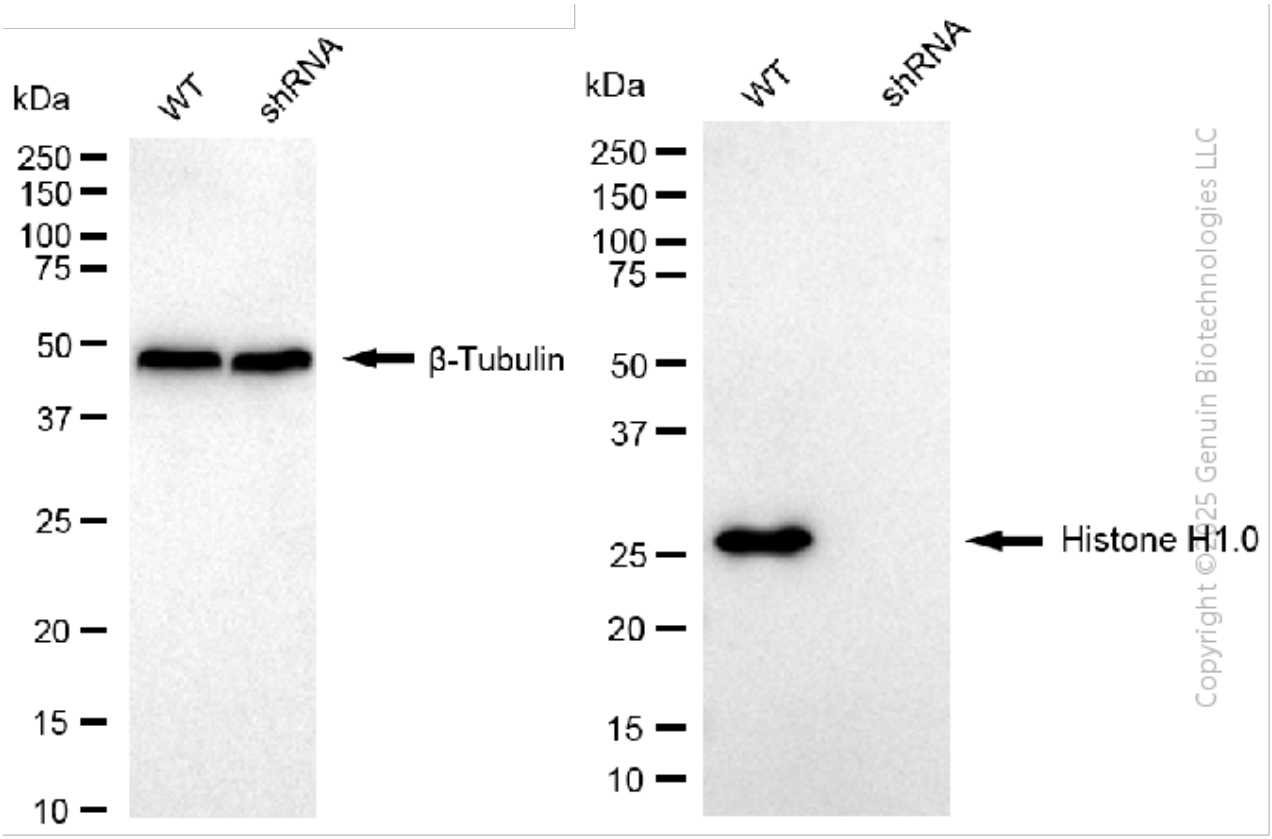
Validation Data

Human H1-0 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	19.95
Knock-Down	24.31
ΔCt (CtKD-CtWT)	4.36
% mRNA Reduction	95%

RT-qPCR analysis. HeLa cells were infected with H1-0-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. H1-0 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 H1-0 and β-Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.