Human TAF1C Knockdown Cell Line (WB-Validated)

Catalog #: C65610

Aliases

TAF1C; TATA-Box Binding Protein Associated Factor, RNA Polymerase I Subunit C; TAFI110; MGC:39976; TAFI95; SL1; TATA Box Binding Protein (TBP)-Associated Factor, RNA Polymerase I, C, 110kDa; TATA Box Binding Protein (TBP)-Associated Factor, RNA Polymerase I, C, 110kD; TATA Box-Binding Protein-Associated Factor RNA Polymerase I Subunit C; RNA Polymerase I-Specific TBP-Associated Factor 110 KDa; Transcription Initiation Factor SL1/TIF-IB Subunit C; TATA Box-Binding Protein-Associated Factor 1C; TBP-Associated Factor 1C; TATA-Box Binding Protein Associated Factor, RNA Polymerase I, C; Transcription Factor SL1; SL1, 110kD Subunit

Background

Gene Name: TAF1C
NCBI Gene Entry: 9013

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human TAF1C 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.

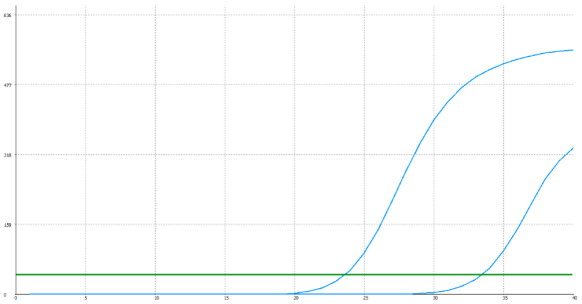
Instructions For Use

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

Note: This product is for research use only.

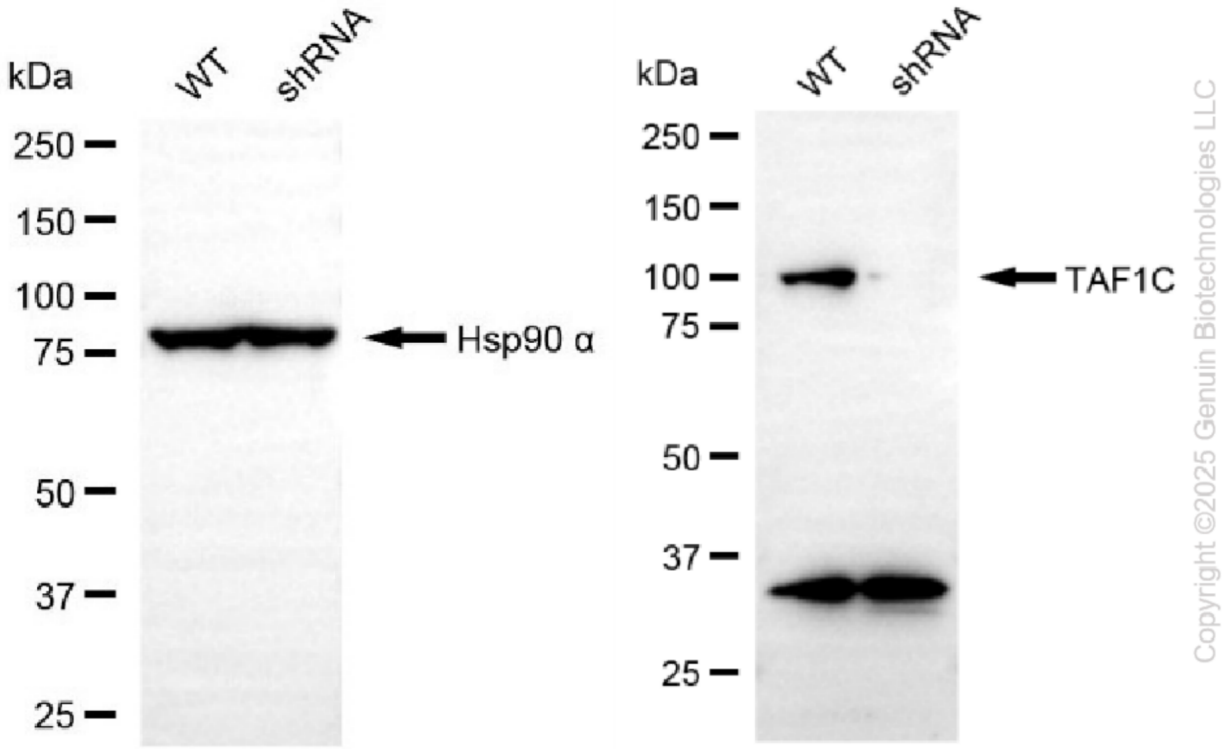
Validation Data

Human TAF1C Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	23.39
Knock-Down	32.36
ΔCt (Ct_{KD}-Ct_{WT})	8.97
% mRNA Reduction	⬇ 99.8%

RT-qPCR analysis. HT-1080 cells were infected with TAF1C-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.TAF1C protein expression in wild-type (WT) and shRNA knockdown (KD) HT-1080 cells was detected using Western blotting. Hsp90 α served as a loading control. The blots were incubated with primary antibodies against TAF1C and Hsp90 α, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using NaQ™ ECL Substrate Kit.