Human TAF15 Knockdown Cell Line (WB-Validated)

Catalog #: C62622

Aliases

TAF15; TATA-Box Binding Protein Associated Factor 15; RBP56; TAF2N; Npl3; TATA Box Binding Protein (TBP)-Associated Factor, RNA Polymerase II, N, 68kD (RNA-Binding Protein 56); TAF15 RNA Polymerase II, TATA Box Binding Protein (TBP)-Associated Factor, 68kDa; TATA-Binding Protein-Associated Factor 2N; HTAFII68; TAFII68; TATA Box-Binding Protein-Associated Factor 2N (RNA-Binding Protein 56); 68 KDa TATA-Binding Protein-Associated Factor; TBP-Associated Factor 15; RNA-Binding Protein 56; RBP56/CSMF Fusion; TAF(II)68

Background

Gene Name: TAF15
NCBI Gene Entry: 8148

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human TAF15 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.

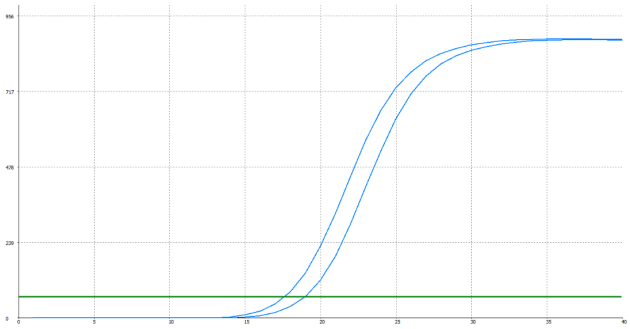
Instructions For Use

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

Note: This product is for research use only.

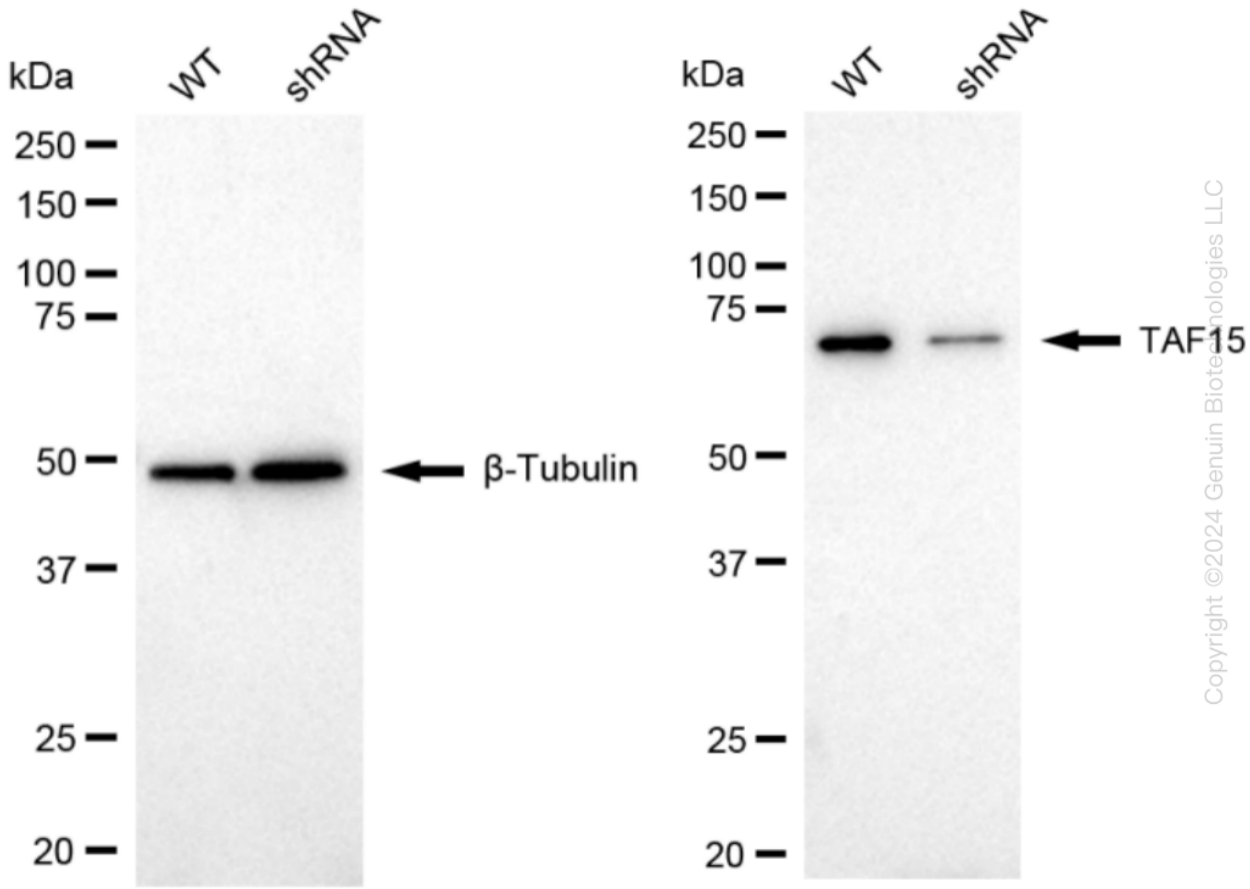
Validation Data

Human TAF15 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	17.49
Knock-Down	18.84
ΔCt (Ct_{KD}-Ct_{WT})	1.35
% mRNA Reduction	⬇ 61%

RT-qPCR analysis. HeLa cells were infected with TAF15-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. TAF15 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 TAF15 and β-Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.