Human NR2F2 Knockdown Cell Line (WB-Validated)

Catalog #: C65652

Aliases

NR2F2; Nuclear Receptor Subfamily 2 Group F Member 2; COUP Transcription Factor II; COUPTFB; COUPTF2; TFCOUP2; SVP40; NF-E3; ARP1; Apolipoprotein A-I Regulatory Protein 1; COUP Transcription Factor 2; COUP-TFII; ARP-1; Chicken Ovalbumin Upstream Promoter Transcription Factor 2; Chicken Ovalbumin Upstream Promoter-Transcription Factor I; Nuclear Receptor Subfamily 2, Group F, Member 2; ADP-Ribosylation Factor Related Protein 1; Apolipoprotein AI Regulatory Protein 1; COUP-TF II; COUPTFII; COUP-TF2; CHTD4; SRXX5

Background

Gene Name: NR2F2
NCBI Gene Entry: 7026

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human NR2F2 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.

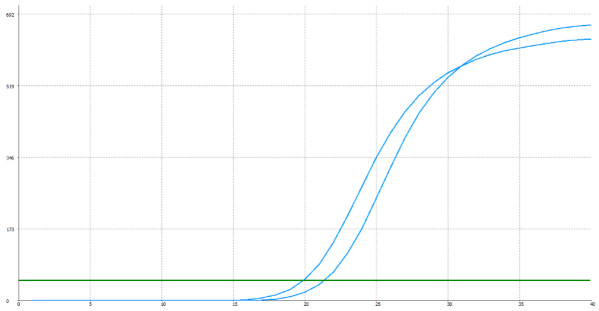
Instructions For Use

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

Note: This product is for research use only.

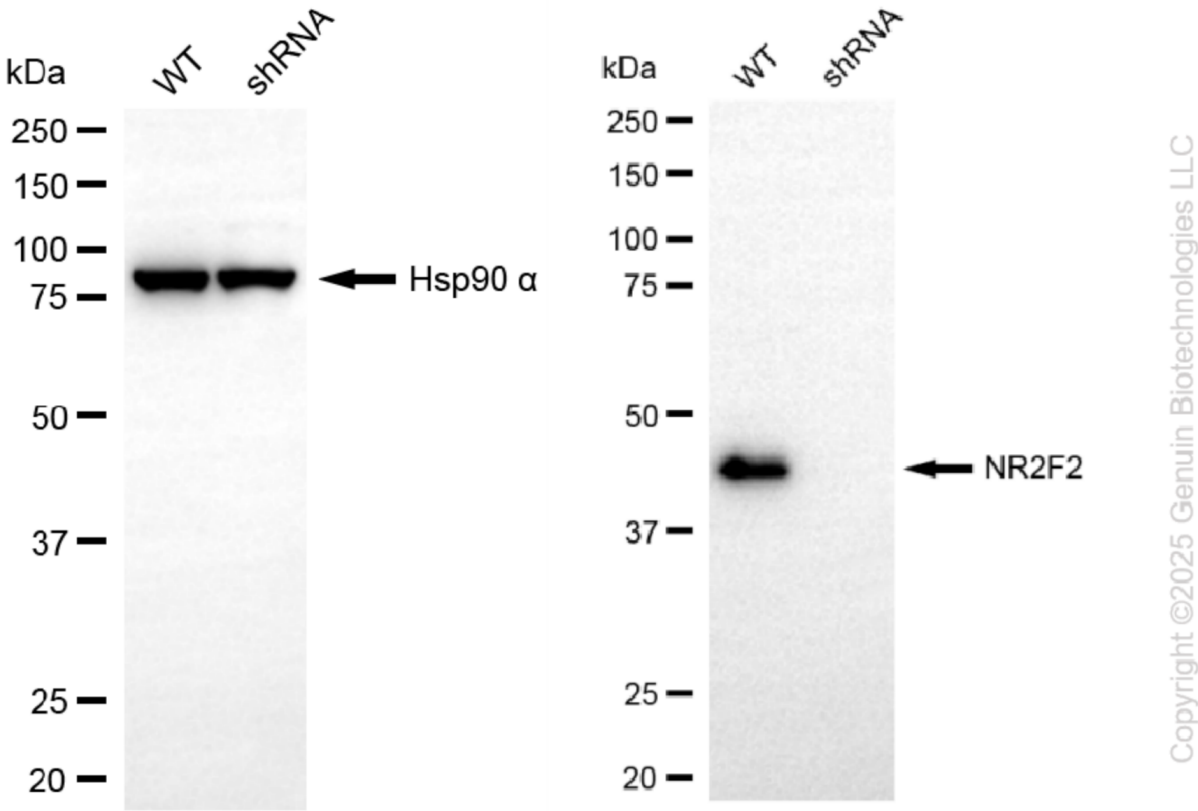
Validation Data

Human NR2F2 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	19.74
Knock-Down	21.30
ΔCt (Ct_{KD}-Ct_{WT})	1.56
% mRNA Reduction	⬇ 66%

RT-qPCR analysis. HeLa cells were infected with NR2F2-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.NR2F2 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 NR2F2 and Hsp90 α, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.