

# Human U2AF2 Knockdown Cell Line (WB-Validated)



**Catalog #: C62670**

## Aliases

U2AF2; U2 Small Nuclear RNA Auxiliary Factor 2; U2AF65; U2 SnRNP Auxiliary Factor Large Subunit; U2 Small Nuclear Ribonucleoprotein Auxiliary Factor (65kD); U2 (RNU2) Small Nuclear RNA Auxiliary Factor 2; Splicing Factor U2AF 65 KDa Subunit; U2 Auxiliary Factor 65 KDa Subunit; HU2AF65; Splicing Factor U2AF 65 KD Subunit; HU2AF(65); DEVDFB

## Background

Gene Name: U2AF2

NCBI Gene Entry: [11338](#)

## Storage

Store at liquid nitrogen for 1 year.

## Kit Components

1. Human U2AF2 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

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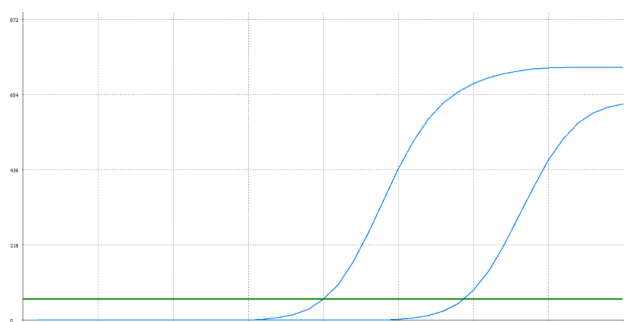
### SUPPORT

SUPPORT@GENUINBIOTECH.COM  
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### ORDERS

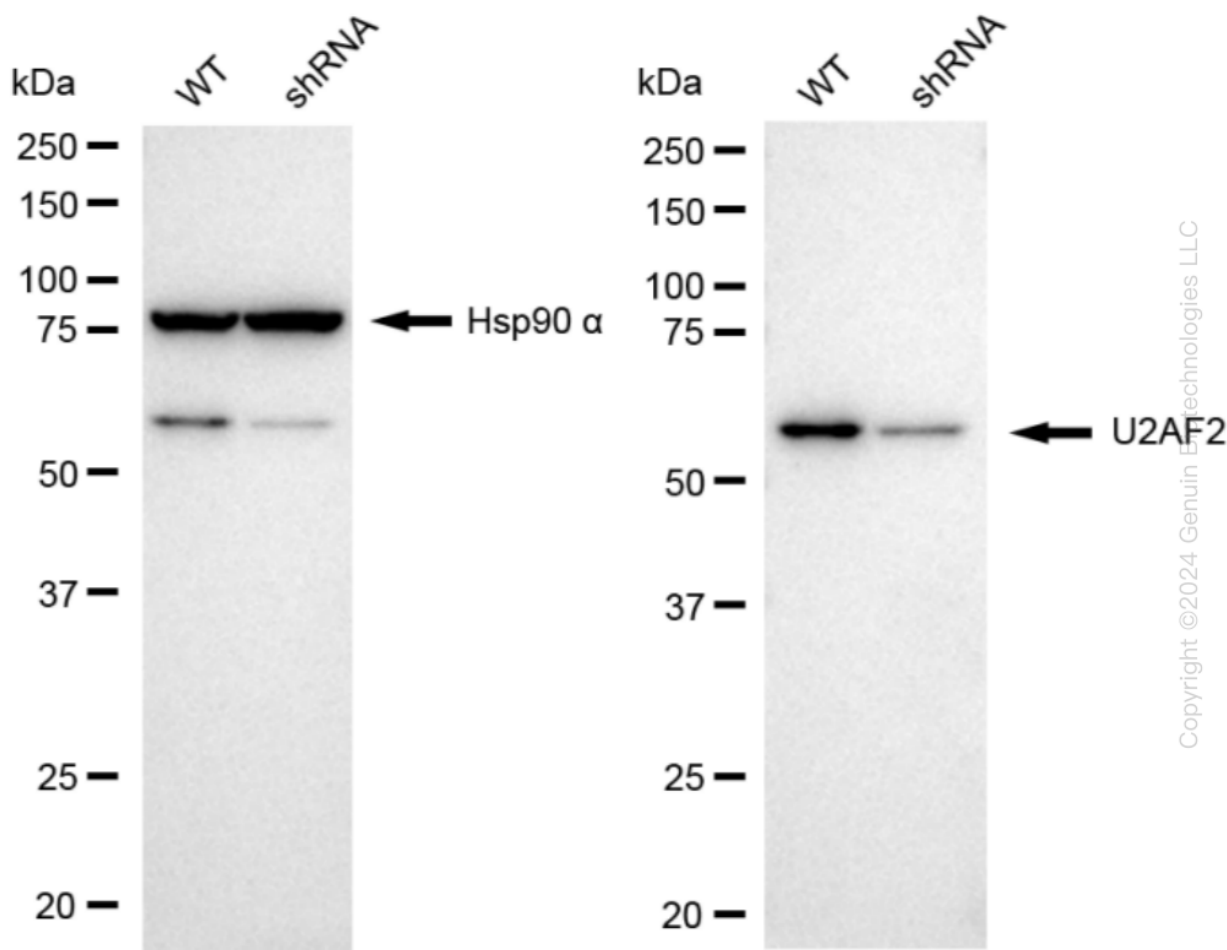
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Genotype	Ct Value
Wild-Type	19.72
Knock-Down	28.80
$\Delta Ct (Ct_{KD}-Ct_{WT})$	9.08
% mRNA Reduction	↓ 99.8%

RT-qPCR analysis. HeLa cells were infected with U2AF2-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers.  $\Delta Ct (Ct_{KD}-Ct_{WT})$  was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula:  $(1-1/2^{\Delta Ct}) \times 100\%$ .



Western blotting analysis. U2AF2 protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting. Hsp90  $\alpha$  served as a loading control. The blots were incubated with primary antibodies against U2AF2 and Hsp90  $\alpha$ , respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.

