Human UFM1 Knockdown Cell Line (WB-Validated)

Catalog #: C65192

Aliases

UFM1; Ubiquitin Fold Modifier 1; C13orf20; Ubiquitin-Fold Modifier 1; BA131P10.1; Chromosome 13 Open Reading Frame 20; BM-002; HLD14

Background

Gene Name: UFM1
NCBI Gene Entry: 51569

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human UFM1 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.

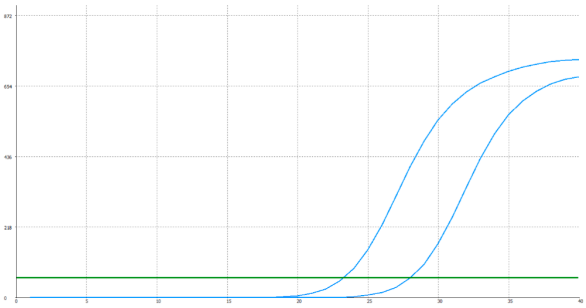
Instructions For Use

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

Note: This product is for research use only.

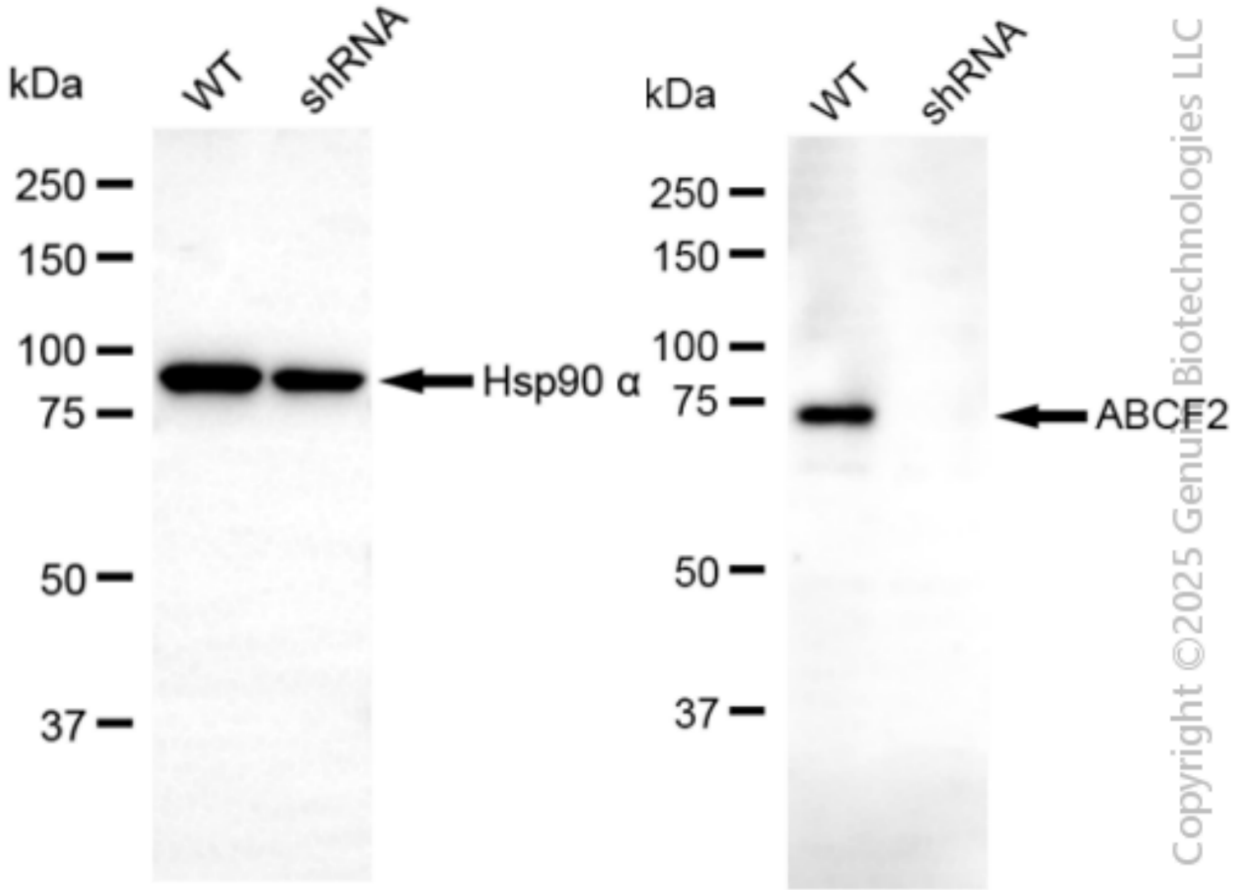
Validation Data

Human UFM1 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	23.03
Knock-Down	27.59
ΔCt (Ct_{KD}-Ct_{WT})	4.56
% mRNA Reduction	⬇ 96%

RT-qPCR analysis. HT-1080 cells were infected with UFM1-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.UFM1 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 UFM1 and Hsp90 α, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were

developed using FeQ™ ECL Substrate Kit.