Human IFNGR1 Knockdown Cell Line (WB-Validated)

Catalog #: C64900

Aliases

IFNGR1; Interferon Gamma Receptor 1; CD119; IFN-Gamma Receptor 1; IFN-Gamma-R-Alpha; CD119 Antigen; IFN-Gamma-R1; CDw119; IFNGR; Interferon-Gamma Receptor Alpha Chain; Interferon Gamma Receptor Alpha-Chain; Immune Interferon Receptor 1; Antiviral Protein, Type 2; AVP, Type 2; IMD27A; IMD27B

Background

Gene Name: IFNGR1
NCBI Gene Entry: 3459

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human IFNGR1 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.

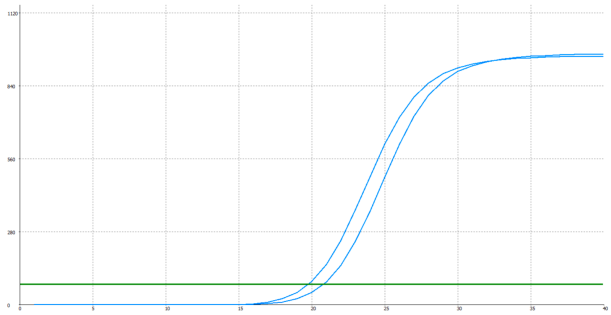
Instructions For Use

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

Note: This product is for research use only.

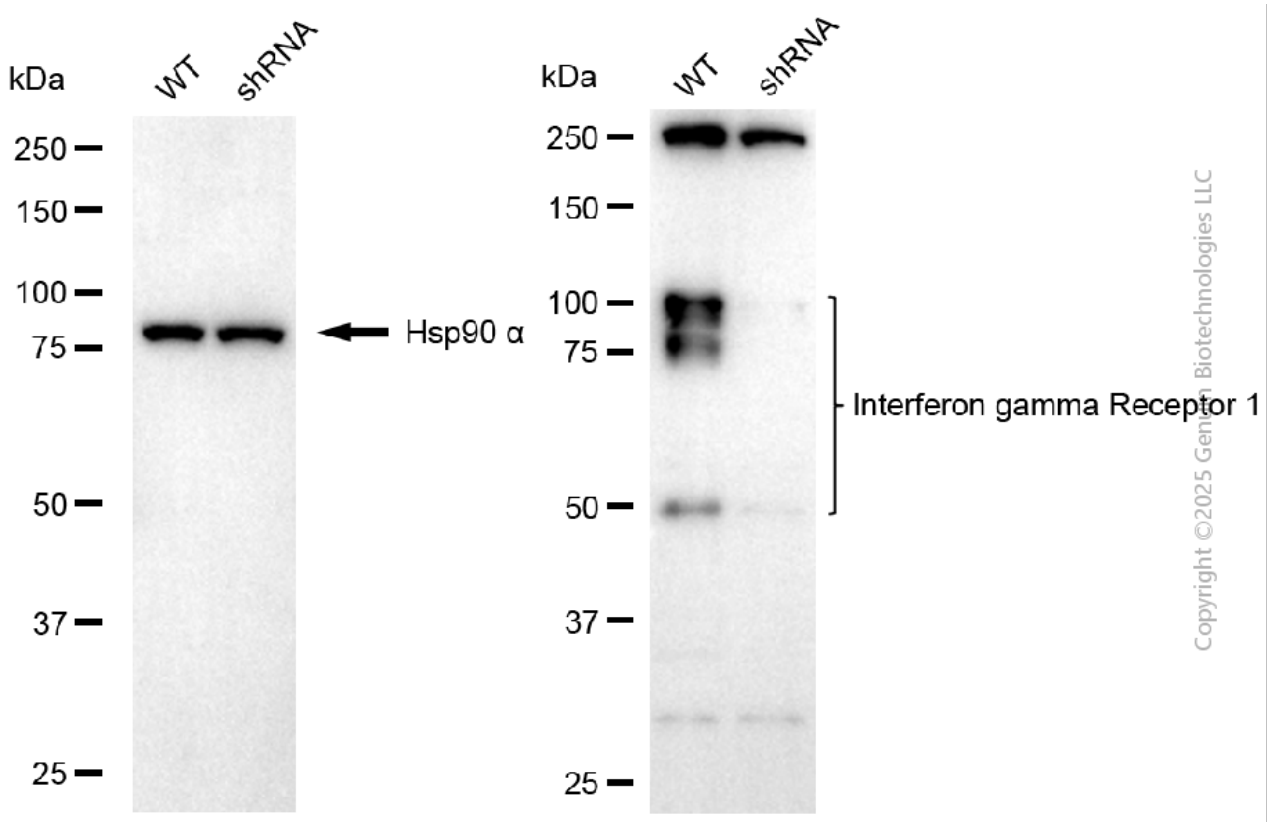
Validation Data

Human IFNGR1 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	19.48
Knock-Down	20.53
ΔCt (Ct_{KD}-Ct_{WT})	1.05
% mRNA Reduction	⬇ 52%

RT-qPCR analysis. 293T cells were infected with IFNGR1-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. IFNGR1 protein expression in wild-type (WT) and shRNA knockdown (KD) 293T cells was detected using Western blotting. Hsp90 α served as a loading control. The blots were incubated with primary antibodies against IFNGR1 and Hsp90 α, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.