Human STING1 Knockdown Cell Line (WB-Validated)

Catalog #: C1236

Aliases

STING1; Stimulator Of Interferon Response CGAMP Interactor 1; STING; ERIS; MITA; Transmembrane; Protein 173; TMEM173; NET23; MPYS; Endoplasmic Reticulum Interferon Stimulator; Stimulator Of Interferon Genes Protein; Endoplasmic Reticulum IFN Stimulator; FLJ38577; HSTING; HMITA; N-Terminal Methionine-Proline-Tyrosine-Serine Plasma Membrane Tetraspanner; Mitochondrial Mediator Of IRF3 Activation; Stimulator Of Interferon Protein; Stimulator Of Interferon Gene; Mediator Of IRF3 Activation; STING-Beta; Sting 1; SAVI

Background

Gene Name: STING1
NCBI Gene Entry: 340061

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human STING1 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.

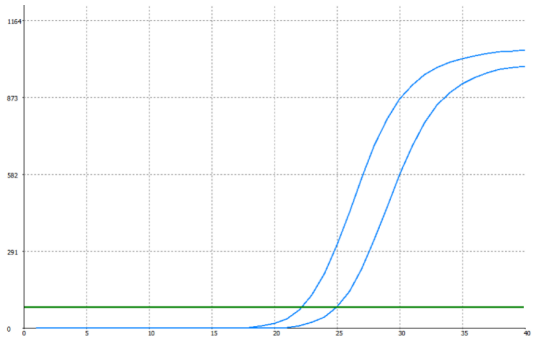
Instructions For Use

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 STING1 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	22.08
Knock-Down	24.71
ΔCt (Ct_{KD}-Ct_{WT})	2.63
% mRNA Reduction	⬇ 84%

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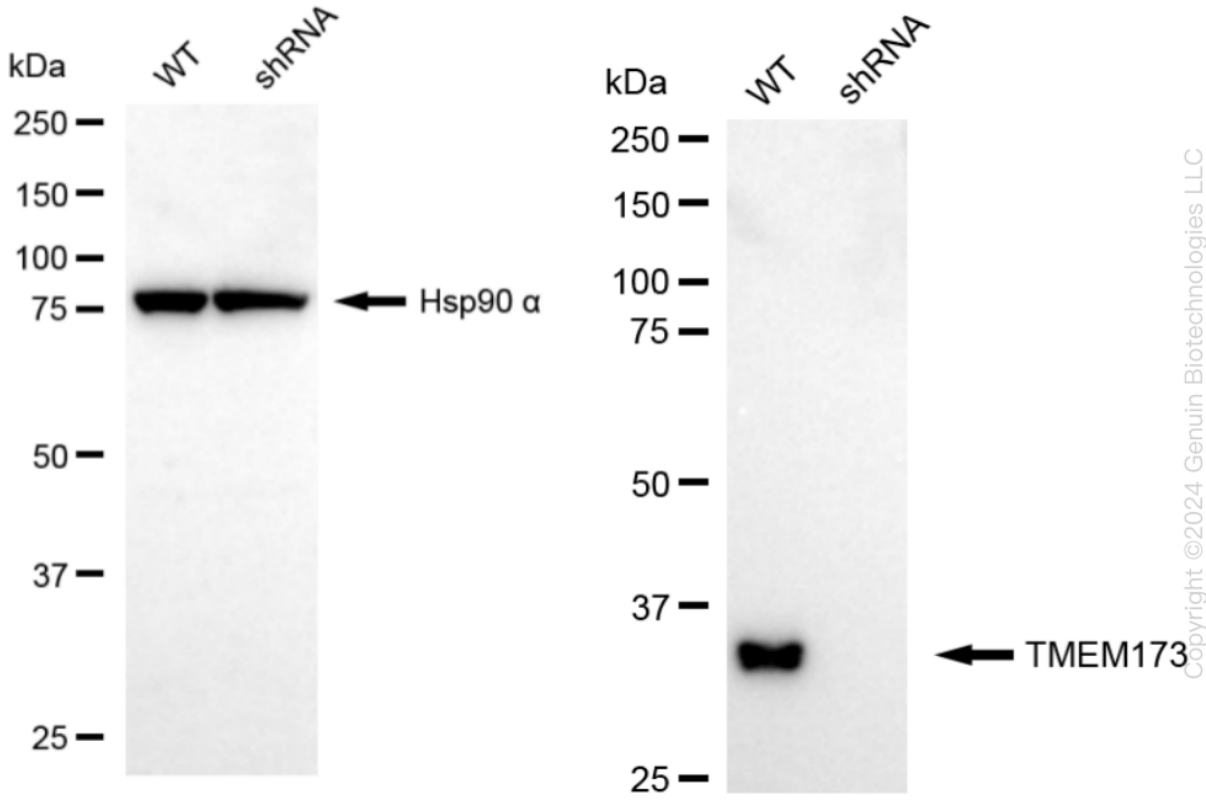
RT-qPCR analysis. HeLa cells were infected with STING1-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. ΔCt (CtKD-CtWT) was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: (1-1/2ΔCt) x 100%.



Western blotting analysis. STING1 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 STING1 and Hsp90 α, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.