

Human TOE1 Knockdown Cell Line (WB-Validated)



Catalog #: C62623

Aliases

TOE1; Target Of EGR1, Exonuclease; HCaf1z; TOE-1; Target Of EGR1, Member 1 (Nuclear); Target Of EGR1 Protein 1; PCH7

Background

Gene Name: TOE1

NCBI Gene Entry: [114034](#)

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human TOE1 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

SUPPORT

SUPPORT@GENUINBIOTECH.COM
TEL: +1-540-855-7041

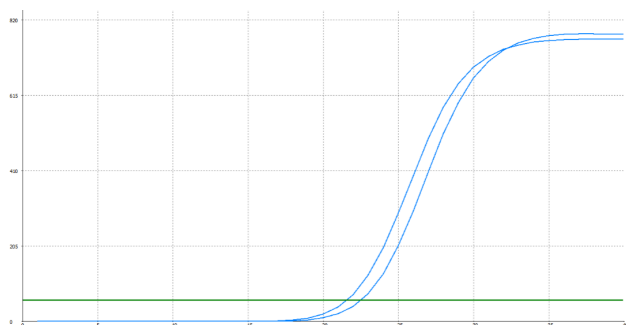
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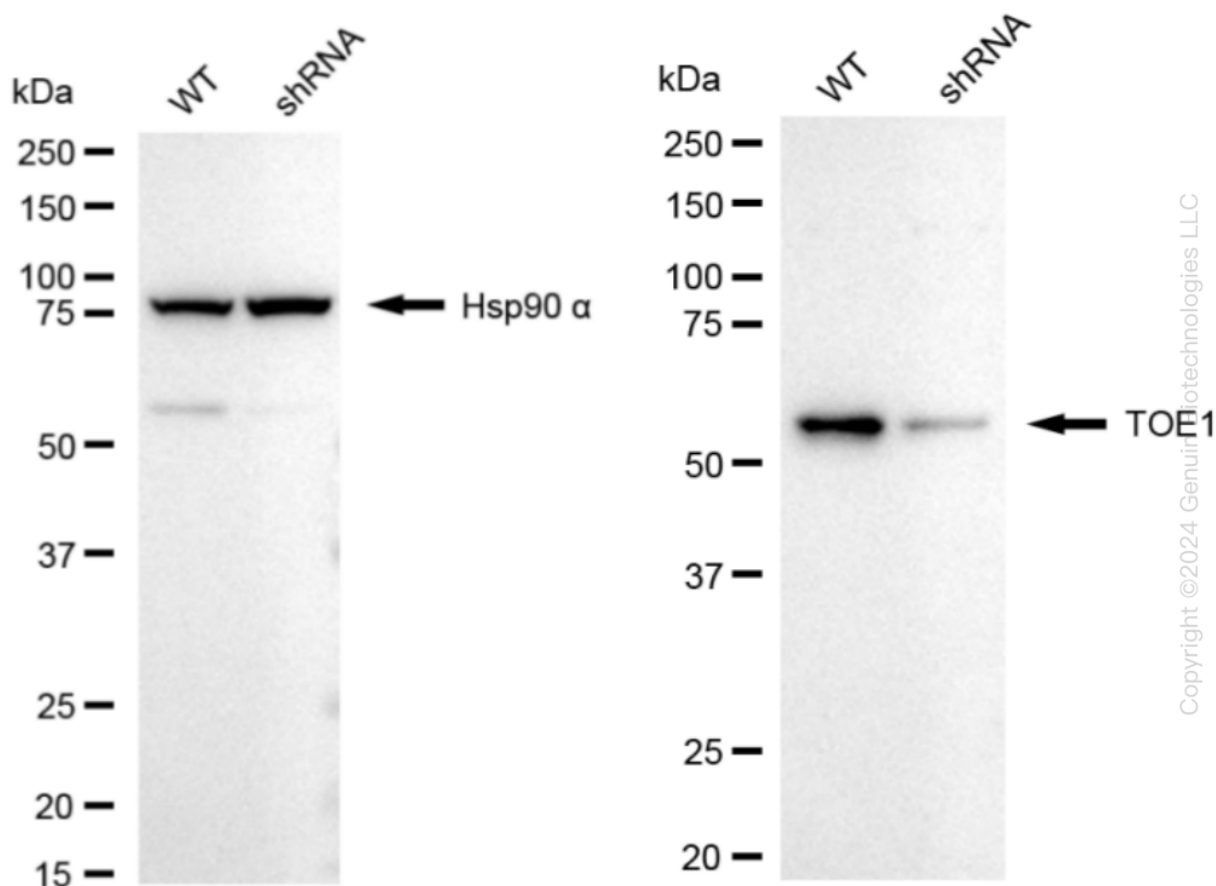
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Genotype	Ct Value
Wild-Type	21.46
Knock-Down	22.43
ΔCt (Ct _{KD} -Ct _{WT})	0.97
% mRNA Reduction	↓ 49%

RT-qPCR analysis. HeLa cells were infected with TOE1-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. ΔCt (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. TOE1 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 TOE1 and Hsp90 α , respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.

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