

Human MAP3K7 Knockdown Cell Line (WB-Validated)



Catalog #: C61299

Aliases

MAP3K7; Mitogen-Activated Protein Kinase Kinase Kinase 7; MEKK7; TAK1; Transforming Growth Factor-Beta-Activated Kinase 1; TGF-Beta Activated Kinase 1; EC 2.7.11.25; TGF-Beta-Activated Kinase 1; EC 2.7.11; TGF1a; CSCF; FMD2

Background

Gene Name: MAP3K7
NCBI Gene Entry: [6885](#)

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human MAP3K7 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

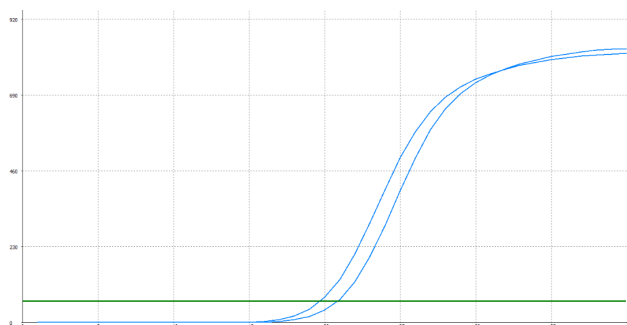
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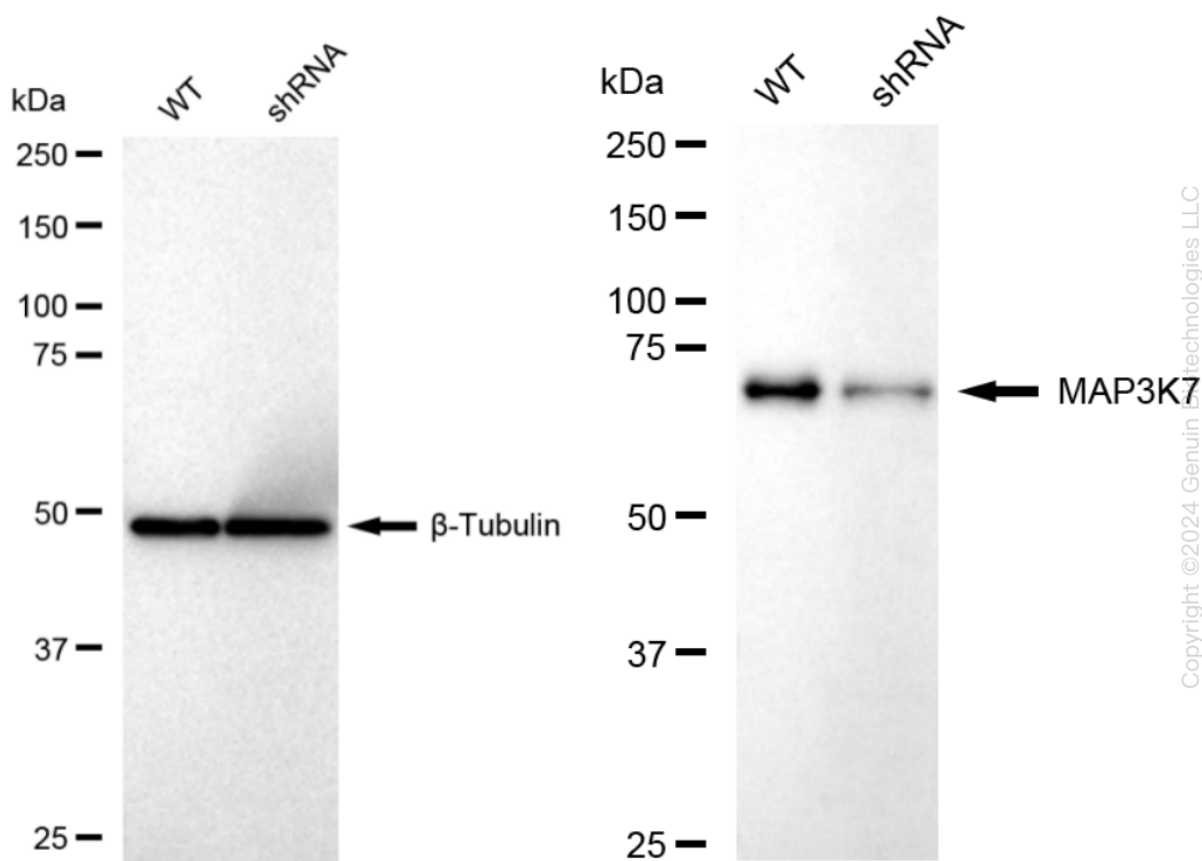
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Genotype	Ct Value
Wild-Type	19.50
Knock-Down	20.67
ΔCt ($Ct_{KD} - Ct_{WT}$)	1.17
% mRNA Reduction	↓ 56%

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RT-qPCR analysis. HeLa cells were infected with MAP3K7-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: $(1 - 1/2^{\Delta Ct}) \times 100\%$.



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Western blotting analysis. MAP3K7 protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting. β -Tubulin served as a loading control. The blots were incubated with primary antibodies against MAP3K7 and β -Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.

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