

Human MAPK8 Knockdown Cell Line (WB-Validated)



Catalog #: C61208

Aliases

MAPK8; Mitogen-Activated Protein Kinase 8; SAPK1; JNK1; PRKM8; JNK; Stress-Activated Protein Kinase 1c; C-Jun N-Terminal Kinase 1; JUN N-Terminal Kinase; MAP Kinase 8; EC 2.7.11.24; JNK-46; SAPK1c; Stress-Activated Protein Kinase JNK1; Stress-Activated Protein Kinase 1; JNK21B1/2; EC 2.7.11; JNK1A2; SAPK1C; MAPK 8

Background

Gene Name: MAPK8

NCBI Gene Entry: [5599](#)

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human MAPK8 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

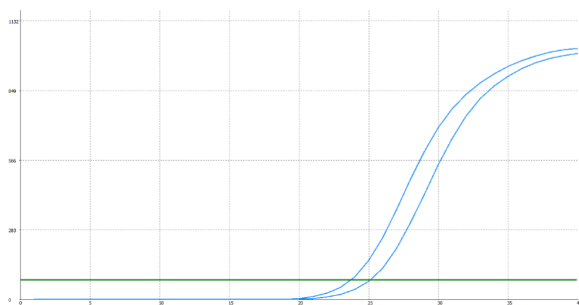
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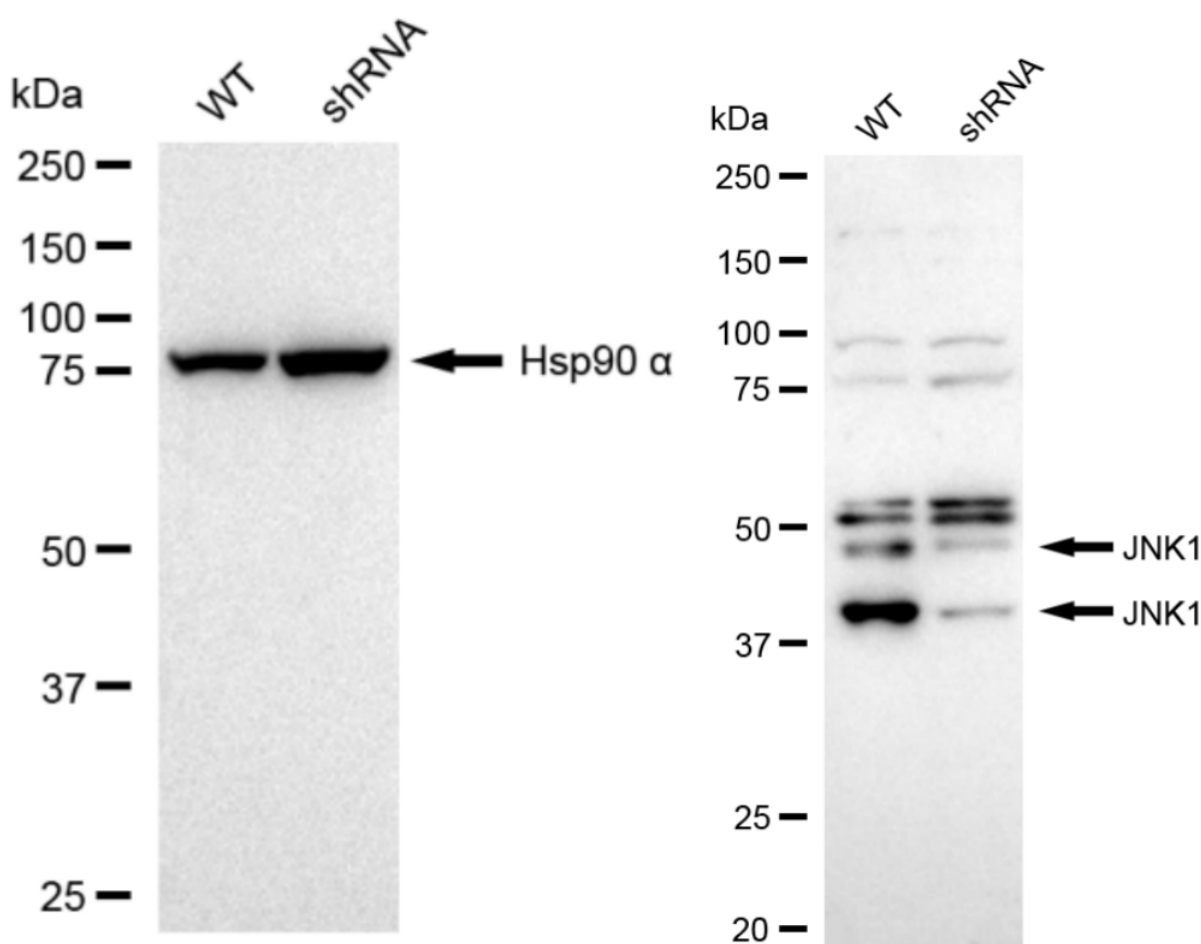
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Genotype	Ct Value
Wild-Type	23.53
Knock-Down	24.91
$\Delta Ct (Ct_{KD} - Ct_{WT})$	1.38
% mRNA Reduction	↓ 62%

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RT-qPCR analysis. HeLa cells were infected with MAPK8-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. $\Delta Ct (Ct_{KD} - Ct_{WT})$ 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. MAPK8 protein expression in wild-type (WT) and shRNA knockdown

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(KD) HeLa cells was detected using Western blotting. Hsp90 α served as a loading control. The blots were incubated with primary antibodies (Cat#61208, 1:2,500) against MAPK8 and Hsp90 α , respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000). Images were developed using FeQ™ ECL Substrate Kit (Cat#226).

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