Human MADD Knockdown Cell Line (WB-Validated)

Catalog #: C62280

Aliases

MADD; MAP Kinase Activating Death Domain; DENN; IG20; Differentially Expressed In Normal And Neoplastic Cells; KIAA0358; RAB3GEP; MAP Kinase-Activating Death Domain Protein; Insuloma-Glucagonoma Protein 20; Insulinoma Glucagonoma Clone 20; Rab3 GDP/GTP Exchange Protein; Rab3 GDP/GTP Exchange Factor; RabGEF; MAP-Kinase Activating Death Domain; NEDDISH; Rab3GEP; DEEAH

Background

Gene Name: MADD
NCBI Gene Entry: 8567

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human MADD 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.

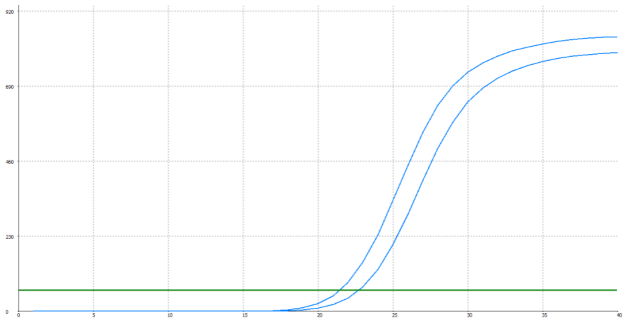
Instructions For Use

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

Note: This product is for research use only.

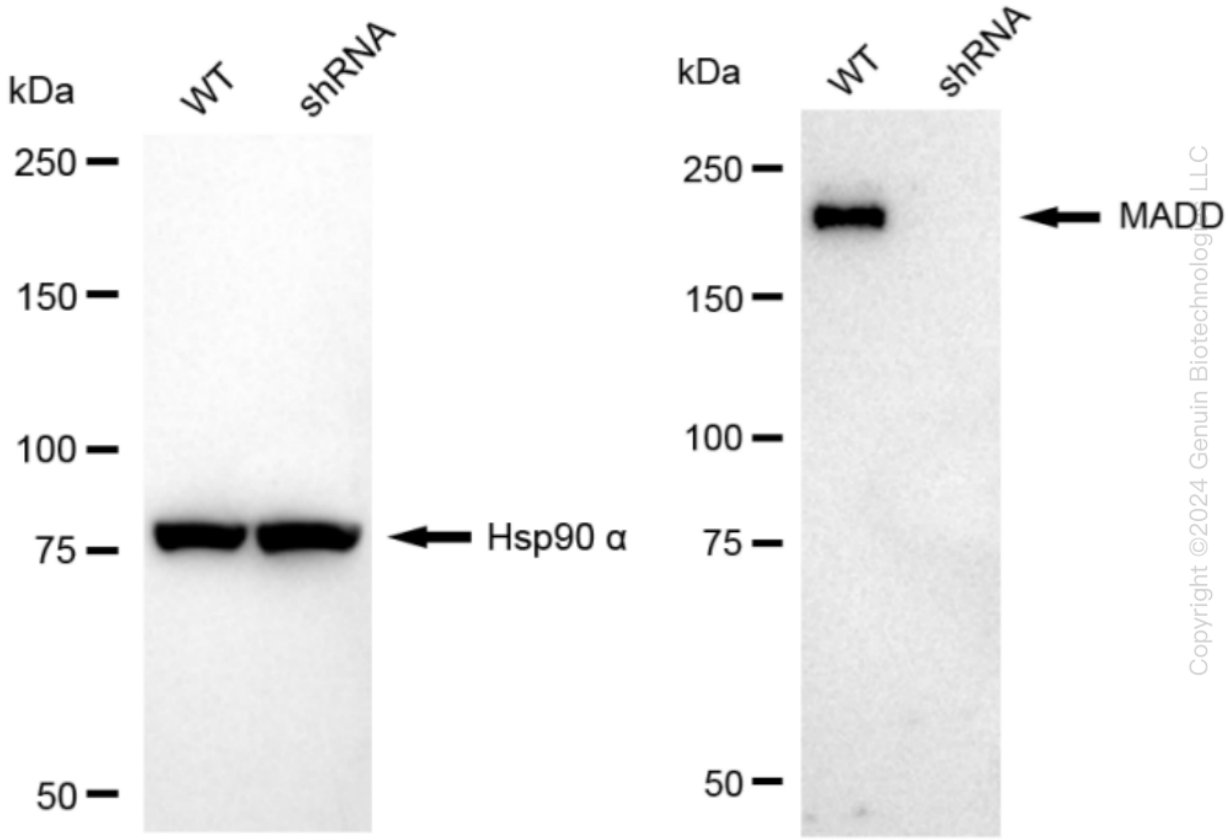
Validation Data

Human MADD Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	21.30
Knock-Down	22.46
ΔCt (Ct_{KD}-Ct_{WT})	1.16
% mRNA Reduction	⬇ 55%

RT-qPCR analysis. HeLa cells were infected with MADD-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. MADD 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 MADD and Hsp90 α, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.