

Human EFEMP1 Knockdown Cell Line (WB-Validated)



Catalog #: C65222

Aliases

EFEMP1; EGF Containing Fibulin Extracellular Matrix Protein 1; FBLN3; EGF-Containing Fibulin-Like Extracellular Matrix Protein 1; S1-5; MTLV; FBNL; EGF Containing Fibulin Like Extracellular Matrix Protein 1; Extracellular Protein S1-5; Fibulin-3; FIBL-3; DHRD; Glaucoma 1, Open Angle, H (Adult-Onset); Fibrillin-Like Protein; Fibrillin-Like; Fibulin 3; ARCL1D; GLC1H; DRAD; MLVT

Background

Gene Name: EFEMP1
NCBI Gene Entry: [2202](#)

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human EFEMP1 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

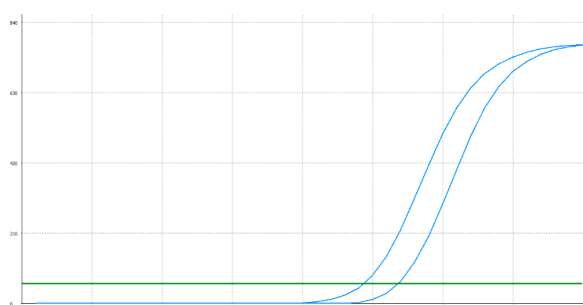
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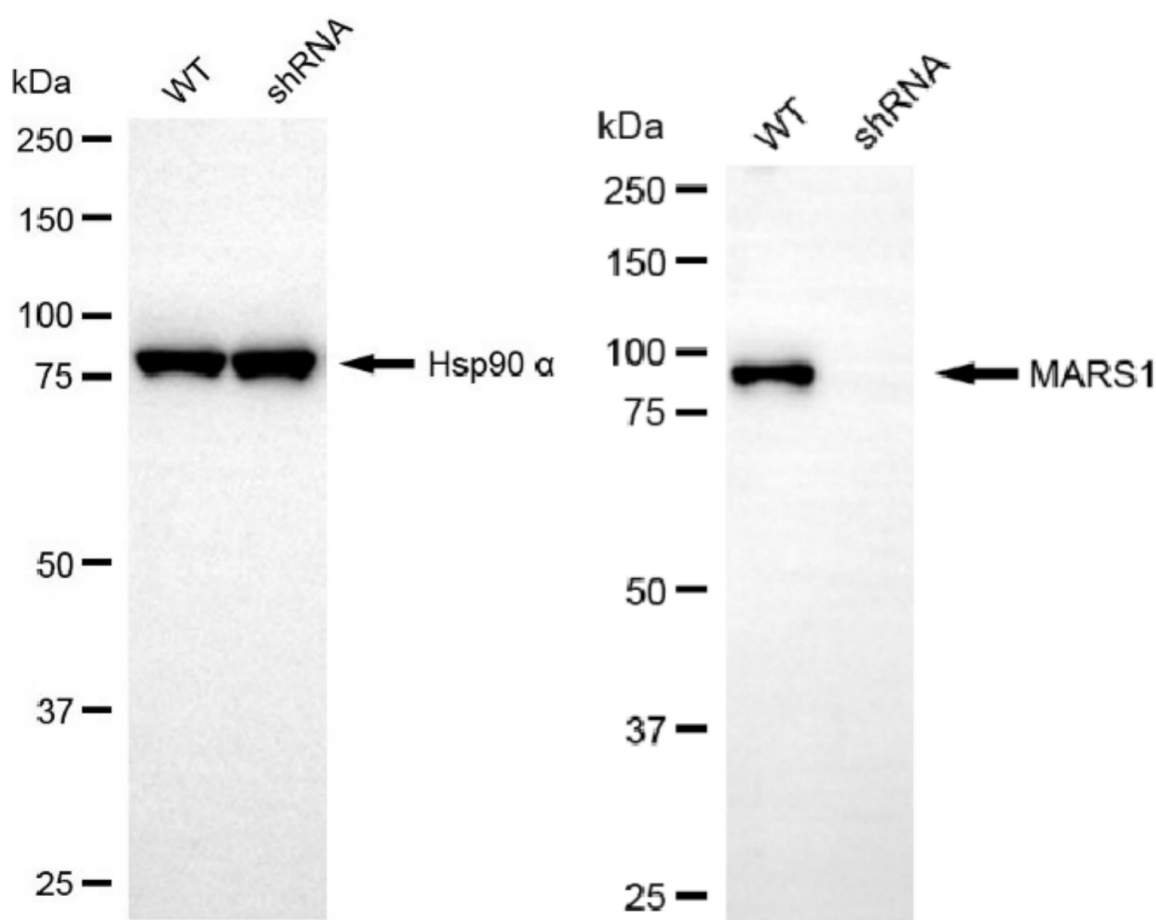
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Genotype	Ct Value
Wild-Type	24.24
Knock-Down	26.68
$\Delta Ct (Ct_{KD}-Ct_{WT})$	2.44
% mRNA Reduction	↓ 82%

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RT-qPCR analysis. HeLa cells were infected with EFEMP1-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. EFEMP1 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 EFEMP1 and Hsp90 α , respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using NaQ™ ECL Substrate Kit.

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