

Human FN1 Knockdown Cell Line (WB-Validated)



Catalog #: C62510

Aliases

FN1; Fibronectin 1; CIG; Cold-Insoluble Globulin; GFND2; LETS; FINC; MSF; MigRation-Stimulating Factor; Lnc-ABCA12-8; Fibronectin; FN; Epididymis Secretory Sperm Binding Protein; LNC-ABCA12-8; SMDCF; ED-B; GFND; FNZ

Background

Gene Name: FN1

NCBI Gene Entry: [2335](#)

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human FN1 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

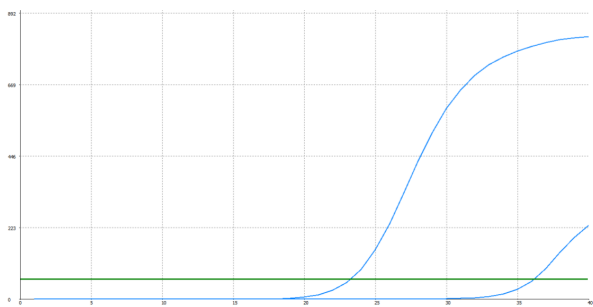
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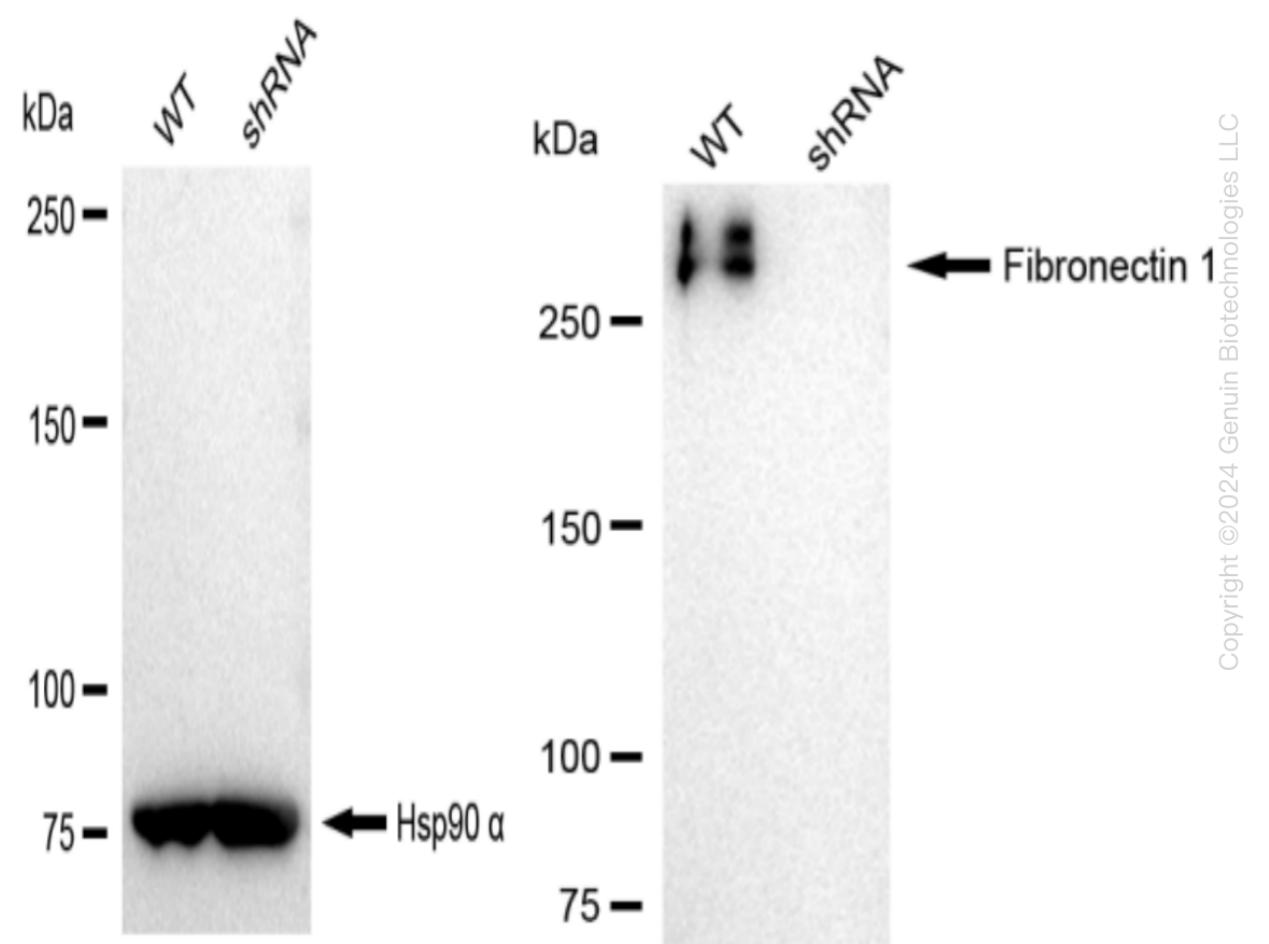
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Genotype	Ct Value
Wild-Type	23.14
Knock-Down	34
$\Delta Ct (Ct_{KD}-Ct_{WT})$	10.86
% mRNA Reduction	↓99.9%

RT-qPCR analysis. HeLa cells were infected with FN1-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: $(1-1/2^{\Delta Ct}) \times 100\%$.



Western blotting analysis. FN1 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

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blots were incubated with primary antibodies (Cat#62510, 1:5,000) against FN1 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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