Human FZD9 Knockdown Cell Line (WB-Validated)

Catalog #: C61995

Aliases

FZD9; Frizzled Class Receptor 9; FZD3; CD349; Frizzled 9, Seven Transmembrane Spanning Receptor; Frizzled Family Receptor 9; Frizzled-9; Fz-9; FzE6; HFz9; Frizzled (Drosophila) Homolog 9; Frizzled Homolog 9 (Drosophila); Frizzled Homolog 9; CD349 Antigen

Background

Gene Name: FZD9
NCBI Gene Entry: 8326

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human FZD9 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.

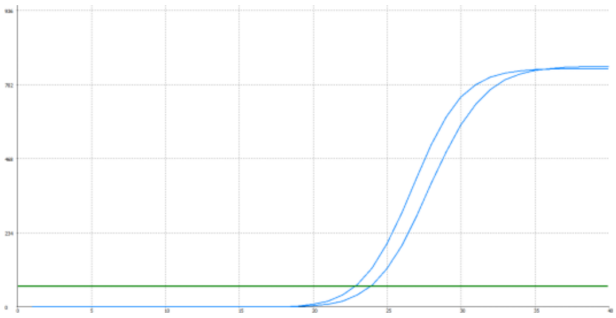
Instructions For Use

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 FZD9 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	22.47
Knock-Down	23.51
ΔCt (Ct_{KD}-Ct_{WT})	1.04
% mRNA Reduction	⬇ 51%

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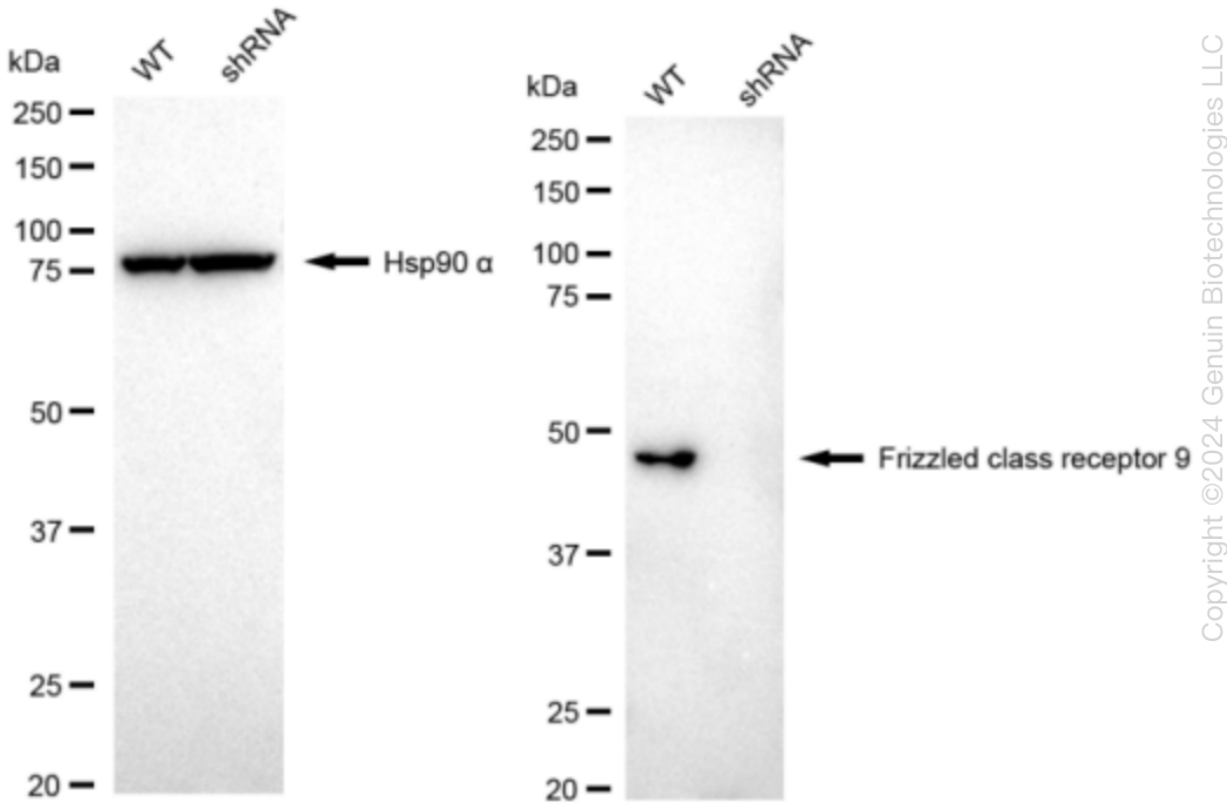
RT-qPCR analysis. HeLa cells were infected with FZD9-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. ΔCt (CtKD-CtWT) was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: (1-1/2ΔCt) x 100%.



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Western blotting analysis. FZD9 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 (Cat#61152, 1:5,000) against FZD9 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).