

Human SYNE3 Knockdown Cell Line (WB-Validated)



Catalog #: C61831

Aliases

SYNE3; Spectrin Repeat Containing Nuclear Envelope Family Member 3; Nesprin-3; LINC00341; NET53; Long Intergenic Non-Protein Coding RNA 341; Nuclear Envelope Spectrin Repeat Protein 3; KASH Domain-Containing Protein 3; NCRNA00341; C14orf139; FLJ25605; C14orf49; Nesp3; KASH3; Chromosome 14 Open Reading Frame 139; Chromosome 14 Open Reading Frame 49; Uncharacterized Protein C14orf113; Non-Protein Coding RNA 341; C14ORF139; NESPRIN-3; C14ORF49; NESP3

Background

Gene Name: SYNE3

NCBI Gene Entry: [161176](#)

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human SYNE3 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

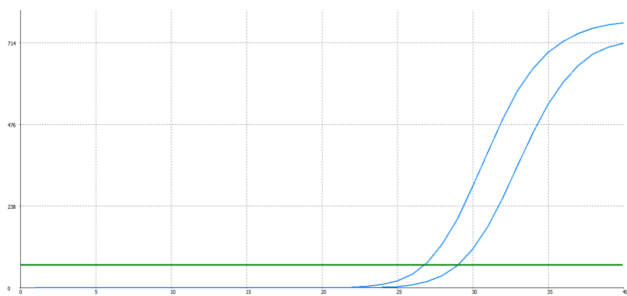
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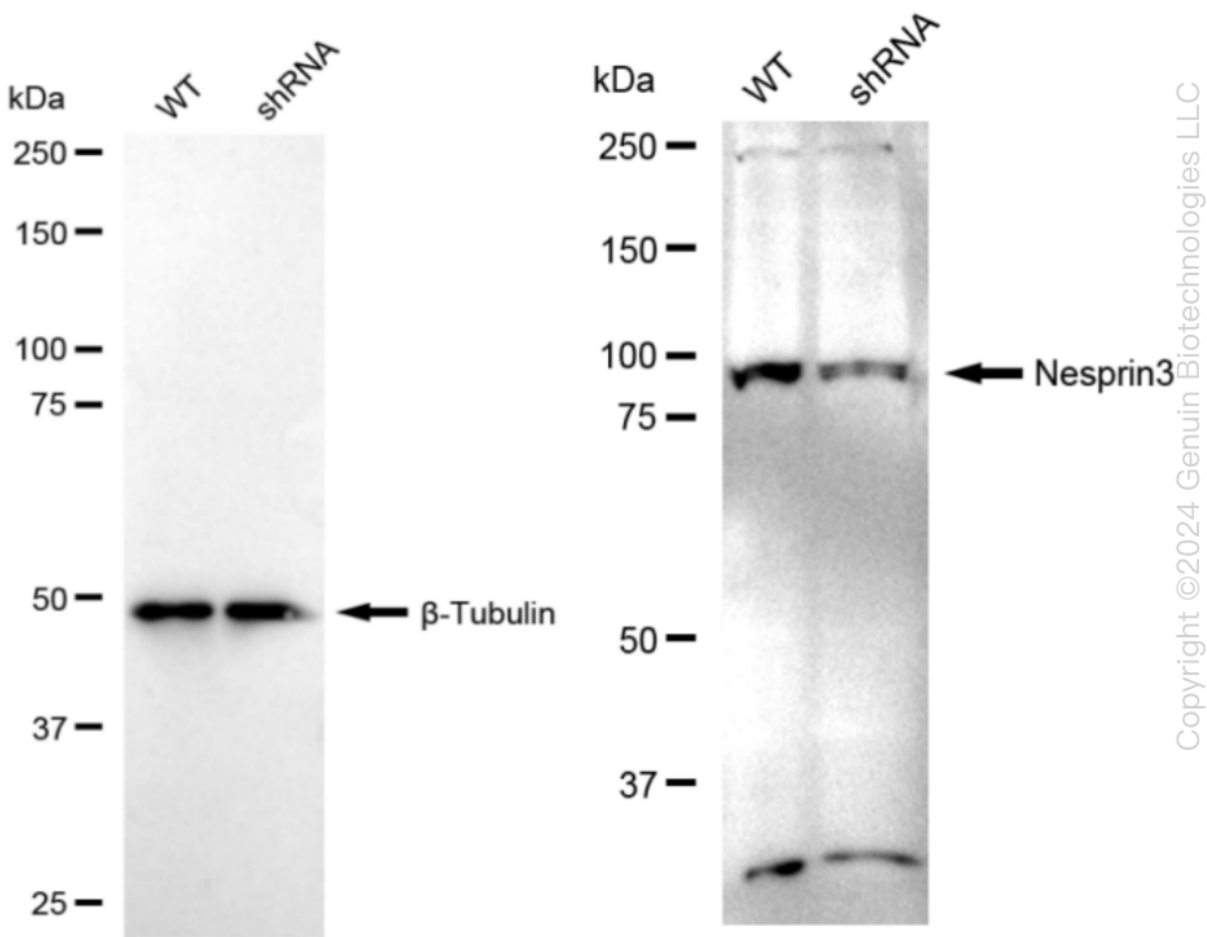
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Genotype	Ct Value
Wild-Type	26.42
Knock-Down	28.52
Δ Ct (Ct _{KD} -Ct _{WT})	2.1
% mRNA Reduction	↓ 77%

RT-qPCR analysis. HT-1080 cells were infected with SYNE3-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. Δ 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. SYNE3 protein expression in wild-type (WT) and shRNA knockdown (KD) HT-1080 cells was detected using Western blotting. β -Tubulin served as a loading control. The blots were incubated with primary antibodies (Cat#61831, 1:5,000) against SYNE3 and β -Tubulin, 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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