Human NSDHL Knockdown Cell Line (WB-Validated)

Catalog #: C62369

Aliases

NAD(P) Dependent Steroid Dehydrogenase-Like; SDR31E1; XAP104; H105e3; Sterol-4-Alpha-Carboxylate 3-Dehydrogenase, Decarboxylating; Short Chain Dehydrogenase/Reductase Family 31E, Member 1; Protein H105e3; EC 1.1.1.170; NAD(P) Dependent Steroid Dehydrogenase-Like Protein Transcript; Epididymis Secretory Sperm Binding Protein; H105E3

Background

Gene Name: NSDHL
NCBI Gene Entry: 50814

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human NSDHL 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.

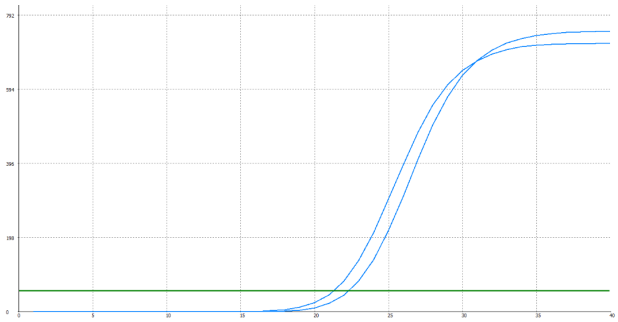
Instructions For Use

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

Note: This product is for research use only.

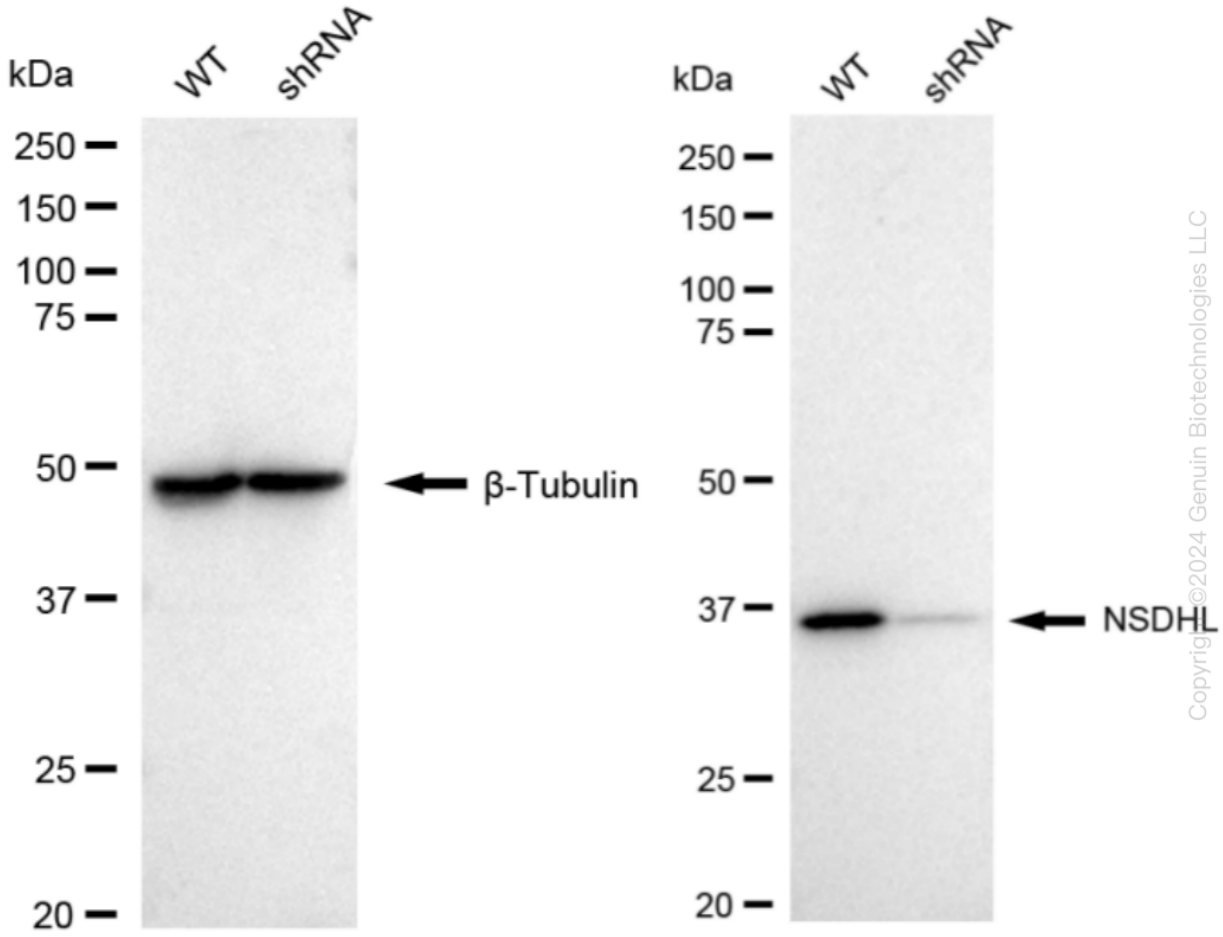
Validation Data

Human NSDHL Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	21.15
Knock-Down	22.23
ΔCt (Ct_{KD}-Ct_{WT})	1.08
% mRNA Reduction	⬇ 53%

RT-qPCR analysis. HeLa cells were infected with NSDHL-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. NSDHL protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting. β-Tubulin served as a loading control. The blots were incubated with primary antibodies against NSDHL and β-Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.