Human DDX3X Knockdown Cell Line (WB-Validated)

Catalog #: C65257

Aliases

DDX3X; DEAD-Box Helicase 3 X-Linked; CAP-Rf; HLP2; DBX; Helicase-Like Protein 2; DDX14; DDX3; DEAD (Asp-Glu-Ala-Asp) Box Polypeptide 3, X-Linked; DEAD (Asp-Glu-Ala-Asp) Box Helicase 3, X-Linked; DEAD/H (Asp-Glu-Ala-Asp/His) Box Polypeptide 3; DEAD Box Protein 3, X-Chromosomal; ATP-Dependent RNA Helicase DDX3X; DEAD Box, X Isoform; DEAD/H Box-3; EC 3.6.4.13; EC 3.6.1; MRX102; MRXSSB

Background

Gene Name: DDX3X
NCBI Gene Entry: 1654

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human DDX3X 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.

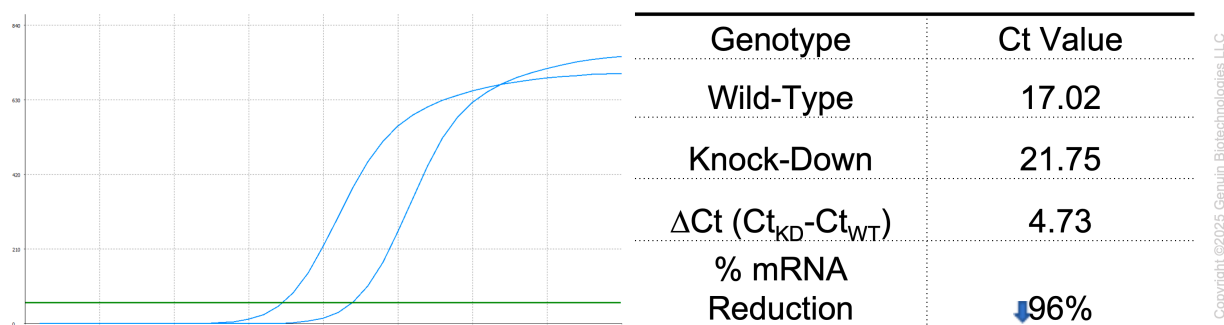**Note:** This product is for research use only.

Validation Data

SUPPORT
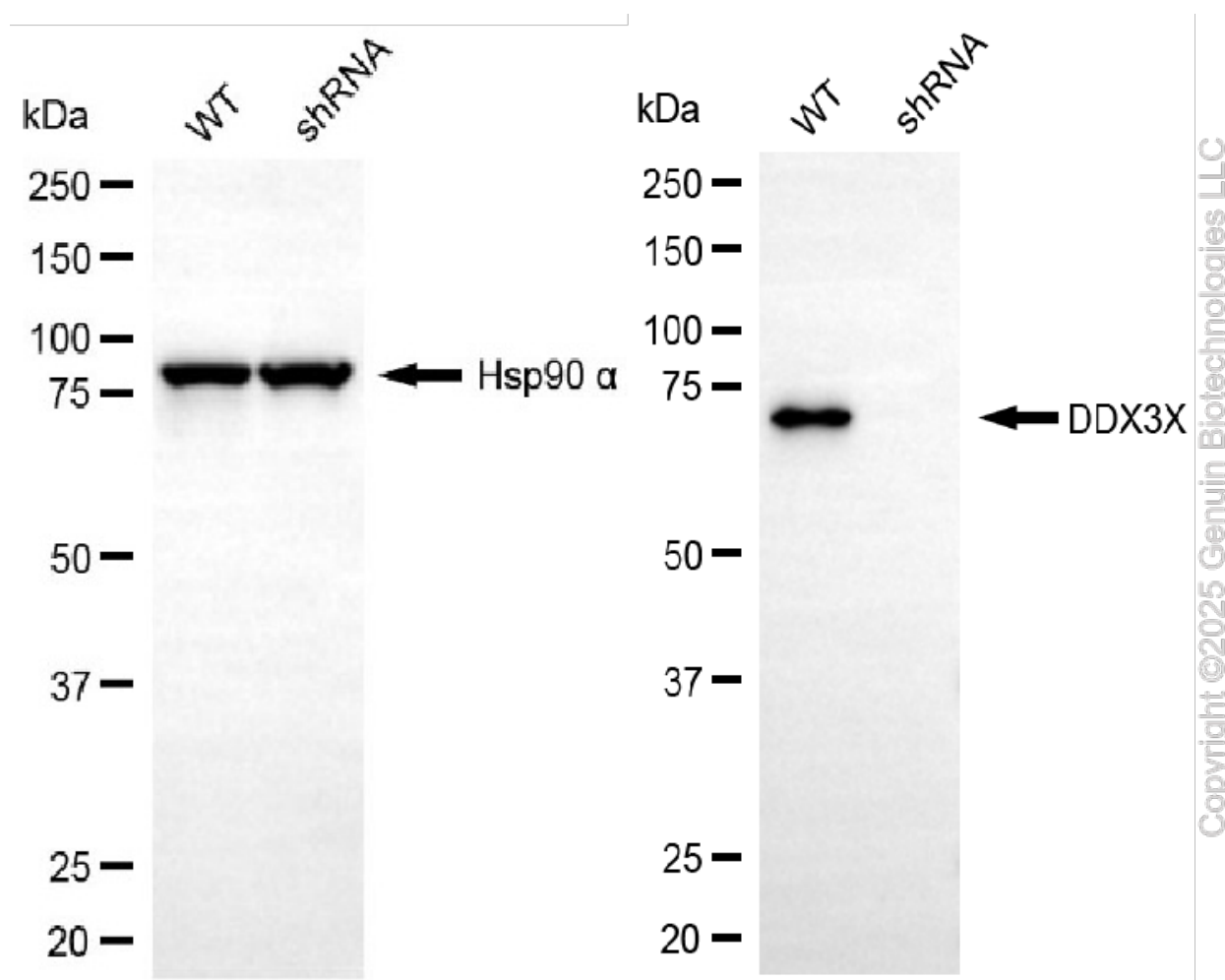SUPPORT@GENUINBIOTECH.COM
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Genotype	Ct Value
Wild-Type	17.02
Knock-Down	21.75
ΔCt (Ct_{KD}-Ct_{WT})	4.73
% mRNA Reduction	↓96%

RT-qPCR analysis. HeLa cells were infected with DDX3X-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: $(1-1/2\Delta Ct) \times 100\%$.

Western blotting analysis. DDX3X 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 DDX3X and Hsp90 α, respectively, followed by incubating with HRP-conjugated goat anti-mouse secondary antibody. Images were developed

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Human DDX3X Knockdown Cell Line (WB-Validated)

using FeQ™ ECL Substrate Kit.

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