

# Human DDX5 Knockdown Cell Line (WB-Validated)



**Catalog #: C61402**

## Aliases

DDX5; DEAD-Box Helicase 5; G17P1; HLR1; P68; DEAD/H (Asp-Glu-Ala-Asp/His); Box Polypeptide 5 (RNA Helicase, 68kD); DEAD (Asp-Glu-Ala-Asp) Box; Polypeptide 5; Probable ATP-Dependent RNA Helicase DDX5; DEAD (Asp-Glu-Ala-Asp) Box Helicase 5; DEAD Box Protein 5; RNA Helicase P68; ATP-Dependent RNA Helicase DDX5; EC 3.6.4.13; DEAD Box-5; EC 3.6.1; HUMP68; HELR

## Background

Gene Name: DDX5

NCBI Gene Entry: [1655](#)

## Storage

Store at liquid nitrogen for 1 year.

## Kit Components

1. Human DDX5 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

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### SUPPORT

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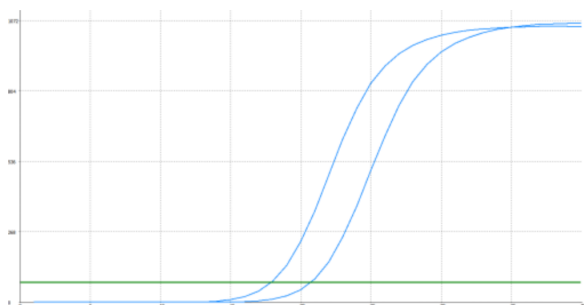
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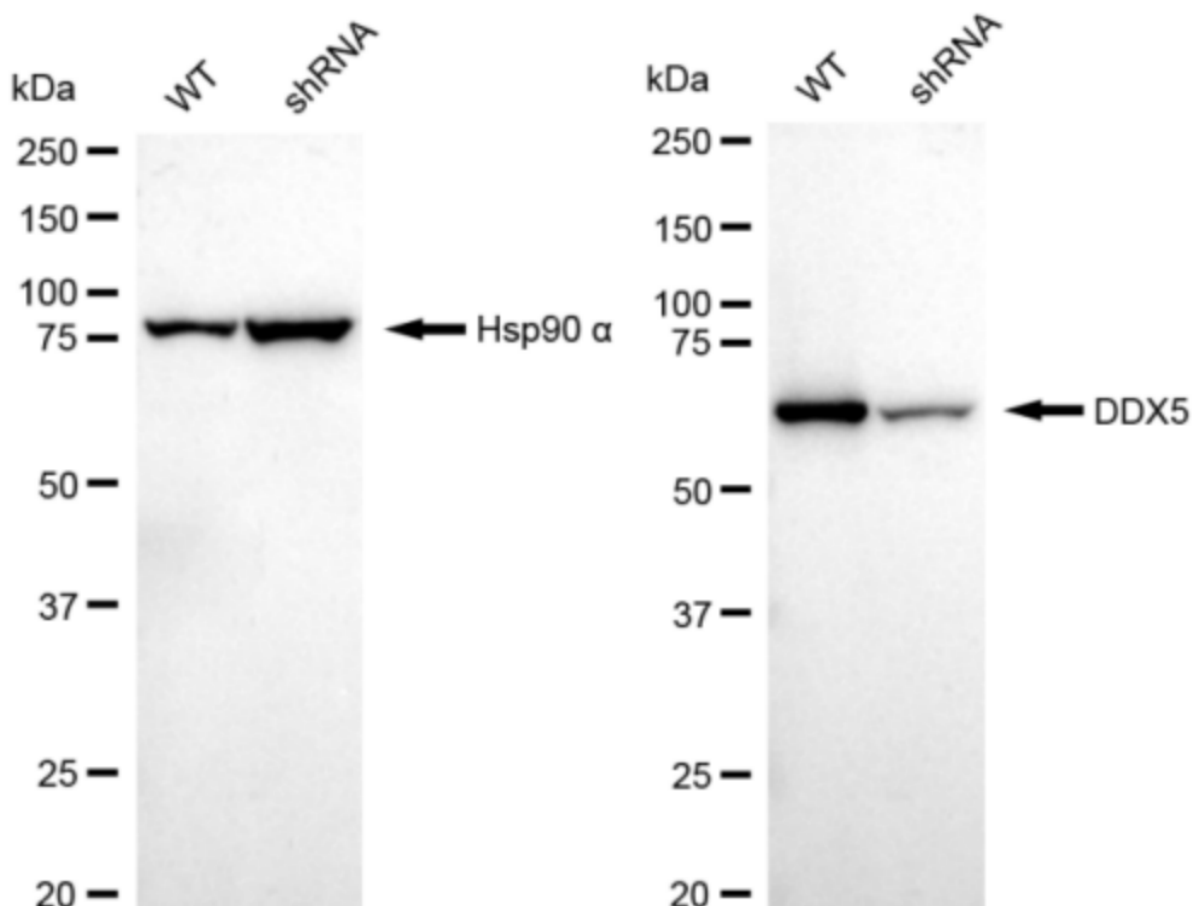
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Genotype	Ct Value
Wild-Type	17.87
Knock-Down	20.68
$\Delta Ct (Ct_{KD} - Ct_{WT})$	2.81
% mRNA Reduction	↓ 86%

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RT-qPCR analysis. HeLa cells were infected with DDX5-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:  $(1 - 1/2^{\Delta Ct}) \times 100\%$ .



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Western blotting analysis. DDX5 protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting. Hsp90  $\alpha$  served as a loading control. The blots were incubated with primary antibodies (Cat#61402, 1:5,000) against DDX5 and Hsp90  $\alpha$ , respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody

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## **Human DDX5 Knockdown Cell Line (WB-Validated)**

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(Cat#201, 1:20,000). Images were developed using FeQ™ ECL Substrate Kit (Cat#226).

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