

# Human HOXB4 Knockdown Cell Line (WB-Validated)



**Catalog #: C62233**

## Aliases

HOXB4; Homeobox B4; HOX2F; Homeobox Protein Hox-2.6; Homeobox Protein Hox-B4; Homeobox Protein Hox-2F; Homeo Box B4; HOX2; Homeo Box 2F; HOX-2.6

## Background

Gene Name: HOXB4

NCBI Gene Entry: [3214](#)

## Storage

Store at liquid nitrogen for 1 year.

## Kit Components

1. Human HOXB4 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

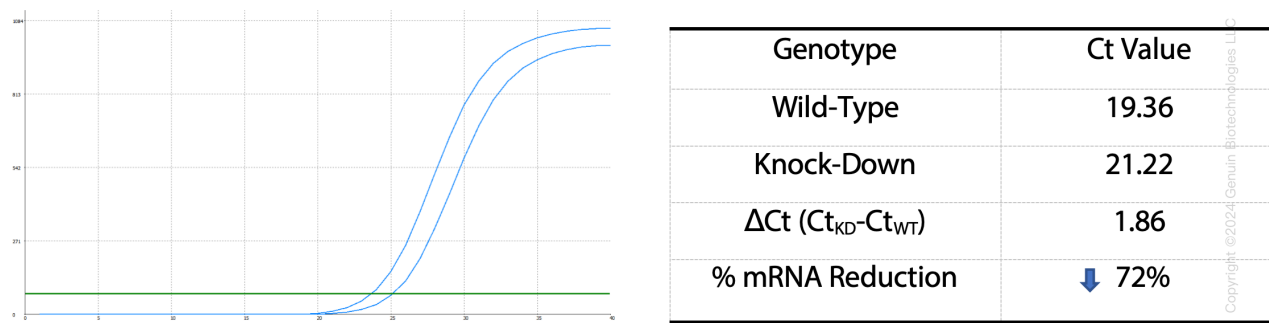
SUPPORT@GENUINBIOTECH.COM  
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### ORDERS

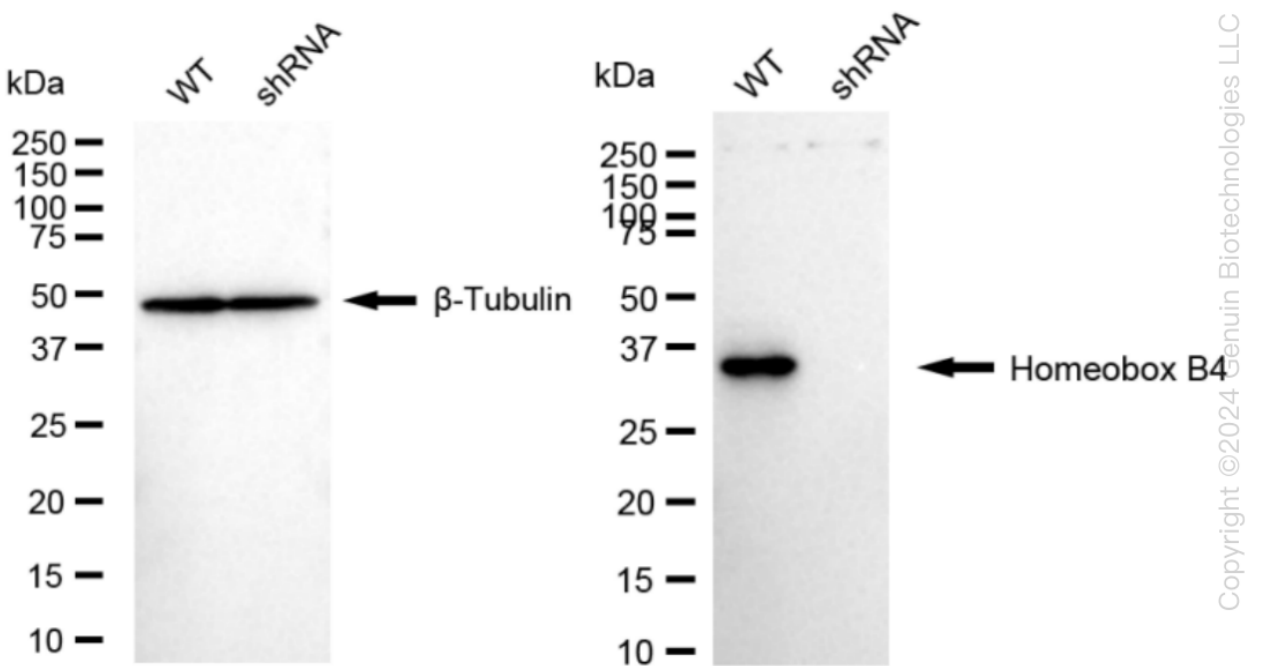
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RT-qPCR analysis. HeLa cells were infected with HOXB4-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers.  $\Delta$ Ct (Ct<sub>KD</sub>-Ct<sub>WT</sub>) was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula:  $(1-1/2^{\Delta\text{Ct}}) \times 100\%$ .



Western blotting analysis. HOXB4 protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting.  $\beta$ -Tubulin served as a loading control. The blots were incubated with primary antibodies (Cat#61156, 1:5,000) against HOXB4 and  $\beta$ -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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