

# Human BMP6 Knockdown Cell Line (WB-Validated)



**Catalog #: C68616**

## Aliases

BMP6; Bone Morphogenetic Protein 6; VGR1; VGR; Vegetal Related Growth Factor (TGFB-Related); VG-1-Related Protein; VG-1-R; BMP-6; VGR-1; IO

## Background

Gene Name: BMP6

NCBI Gene Entry: [654](#)

## Storage

Store at liquid nitrogen for 1 year.

## Kit Components

1. Human BMP6 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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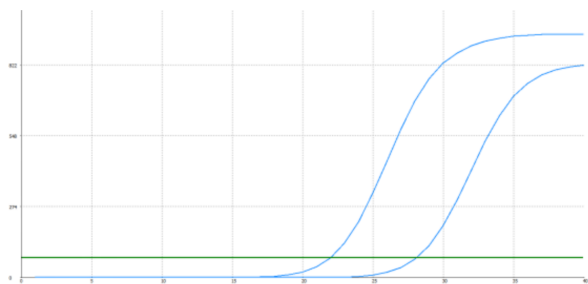
### SUPPORT

SUPPORT@GENUINBIOTECH.COM  
TEL: +1-540-855-7041

### ORDERS

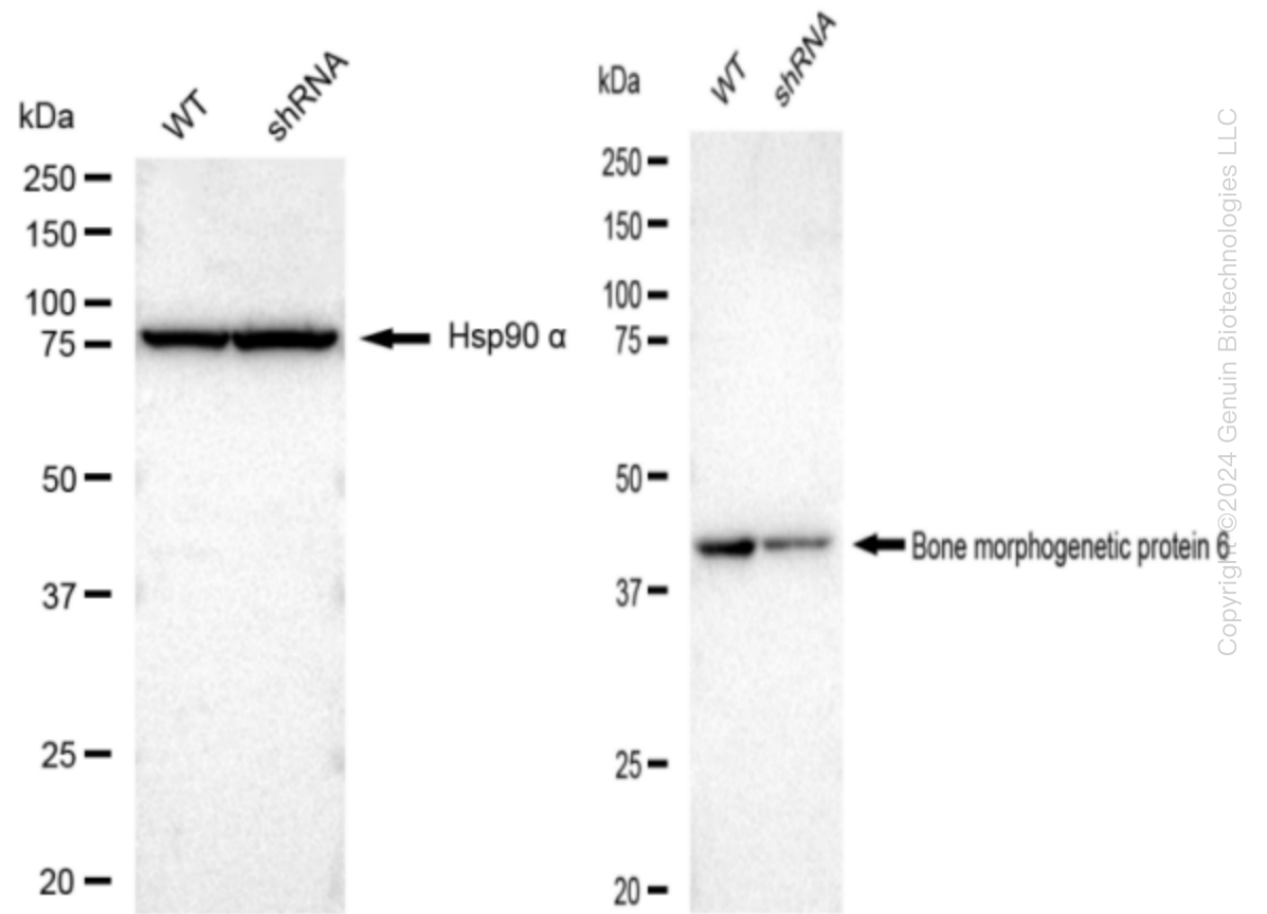
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Genotype	Ct Value
Wild-Type	21.75
Knock-Down	27.61
$\Delta Ct (Ct_{KD}-Ct_{WT})$	5.86
% mRNA Reduction	98 % ↓

RT-qPCR analysis. HeLa cells were infected with BMP6-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:  $(1-1/2^{\Delta Ct}) \times 100\%$ .



Western blotting analysis. BMP6 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 (Cat#68616, 1:5,000) antibodies against BMP6 and Hsp90  $\alpha$  ,

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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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