

# Human STAT6 Knockdown Cell Line (WB-Validated)



**Catalog #: C69717**

## Aliases

STAT6; Signal Transducer And Activator Of Transcription 6; IL-4-STAT; D12S1644; Signal Transducer And Activator Of Transcription 6, Interleukin-4 Induced; Transcription Factor IL-4 STAT; STAT, Interleukin4-Induced; EC 2.4.1.227; EC 2.7.7.6; IL-4 Stat; STAT6B; STAT6C

## Background

Gene Name: STAT6

NCBI Gene Entry: [6778](#)

## Storage

Store at liquid nitrogen for 1 year.

## Kit Components

1. Human STAT6 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  
TEL: +1-540-855-7041

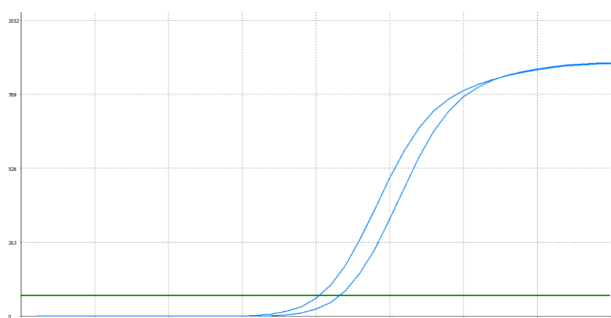
### ORDERS

SALES@GENUINBIOTECH.COM  
FAX: +1-540-855-7041

[WWW.GENUINBIOTECH.COM](http://WWW.GENUINBIOTECH.COM)

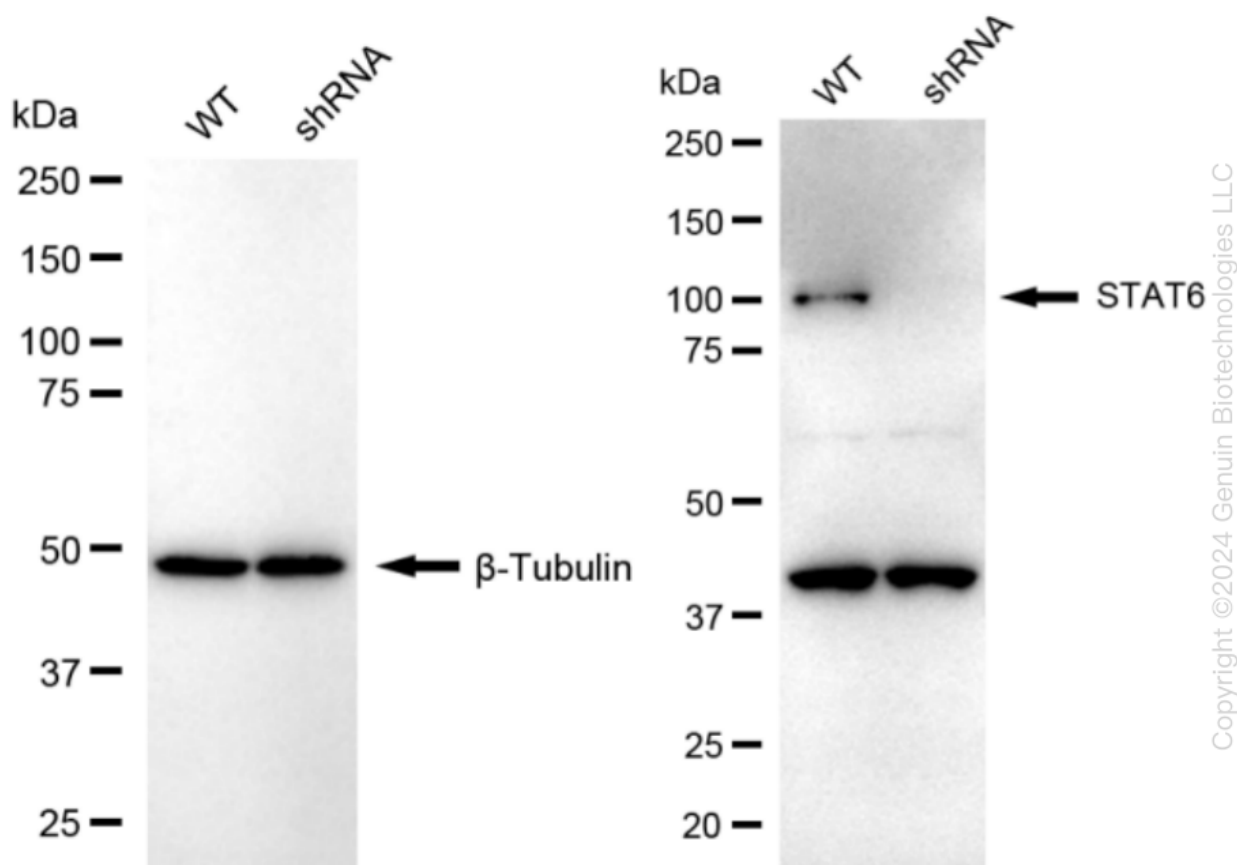
## Human STAT6 Knockdown Cell Line (WB-Validated)

PAGE 2



Genotype	Ct Value
Wild-Type	20.02
Knock-Down	21.35
$\Delta Ct (Ct_{KD} - Ct_{WT})$	1.33
% mRNA Reduction	↓ 60%

RT-qPCR analysis. HeLa cells were infected with STAT6-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. STAT6 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 against STAT6 and  $\beta$ -Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.

### SUPPORT

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

### ORDERS

SALES@GENUINBIOTECH.COM  
FAX: +1-540-855-7041

[WWW.GENUINBIOTECH.COM](http://WWW.GENUINBIOTECH.COM)