

# Human NEK6 Knockdown Cell Line (WB-Validated)



**Catalog #: C62421**

## Aliases

NEK6; NIMA Related Kinase 6; SID6-1512; NIMA (Never In Mitosis Gene A)-Related Kinase 6; Putative Serine-Threonine Protein Kinase; Serine/Threonine-Protein Kinase Nek6; Never In Mitosis A-Related Kinase 6; NimA-Related Protein Kinase 6; Protein Kinase SID6-1512; EC 2.7.11.34; EC 2.7.11.1

## Background

Gene Name: NEK6

NCBI Gene Entry: [10783](#)

## Storage

Store at liquid nitrogen for 1 year.

## Kit Components

1. Human NEK6 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

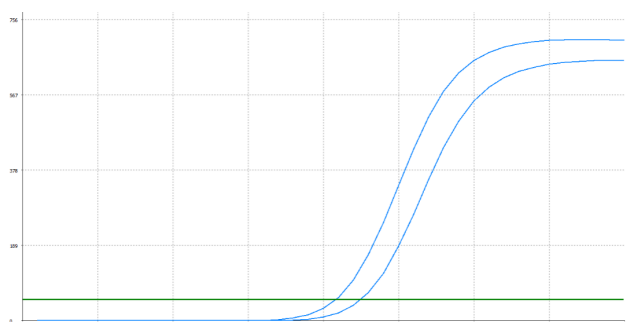
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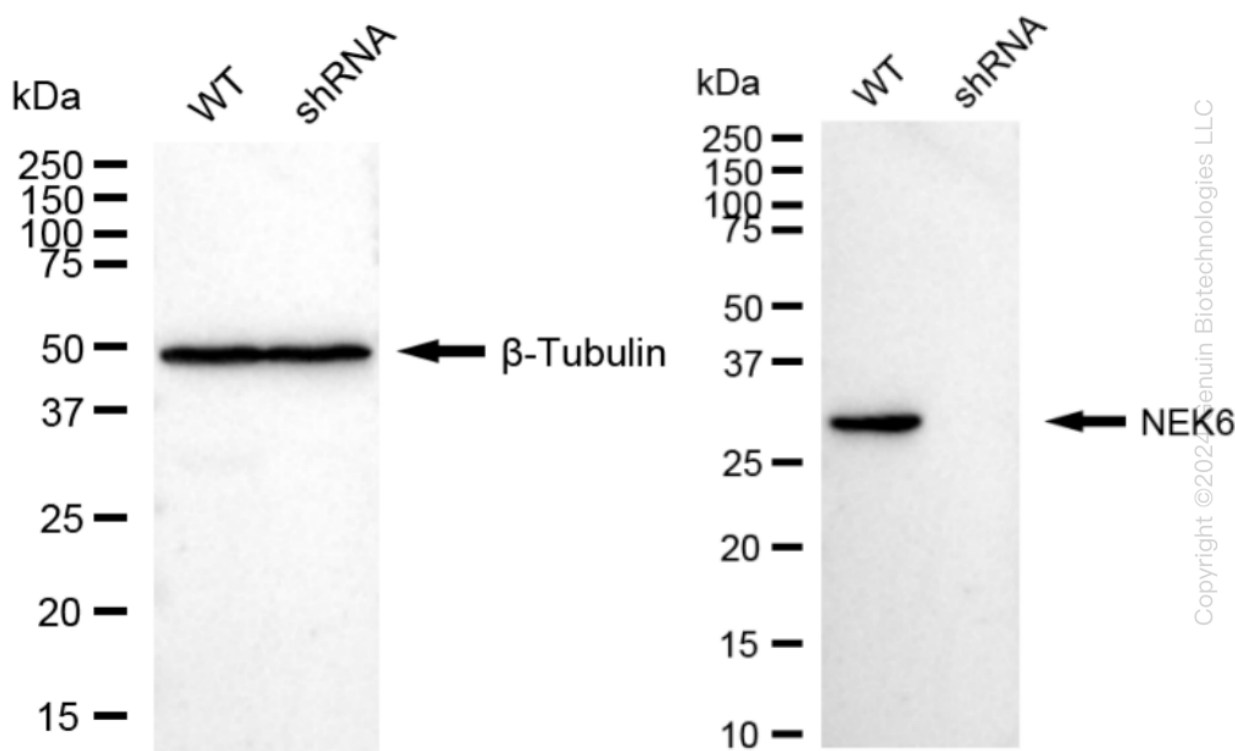
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Genotype	Ct Value
Wild-Type	20.70
Knock-Down	22.24
$\Delta Ct (Ct_{KD} - Ct_{WT})$	1.54
% mRNA Reduction	↓ 66%

RT-qPCR analysis. HeLa cells were infected with NEK6-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. NEK6 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 NEK6 and  $\beta$ -Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.

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