

# Human NUDT9 Knockdown Cell Line (WB-Validated)



**Catalog #: C65587**

## Aliases

NUDT9; Nudix Hydrolase 9; Nudix (Nucleoside Diphosphate Linked Moiety X)-Type Motif 9; ADP-Ribose Pyrophosphatase, Mitochondrial; Adenosine Diphosphoribose Pyrophosphatase; ADP-Ribose Phosphohydrolase; ADP-Ribose Diphosphatase; ADPR-PPase; MGC3037; NUDT10; Nucleoside Diphosphate Linked Moiety X-Type Motif 9; Nucleoside Diphosphate-Linked Moiety X Motif 9; ADP-Ribose Pyrophosphatase NUDT9; Nudix Motif 9; EC 3.6.1.13

## Background

Gene Name: NUDT9  
NCBI Gene Entry: [53343](#)

## Storage

Store at liquid nitrogen for 1 year.

## Kit Components

1. Human NUDT9 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

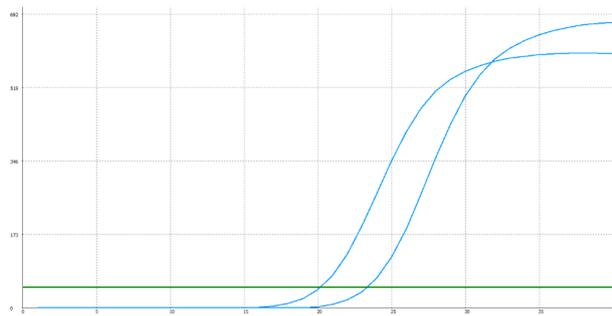
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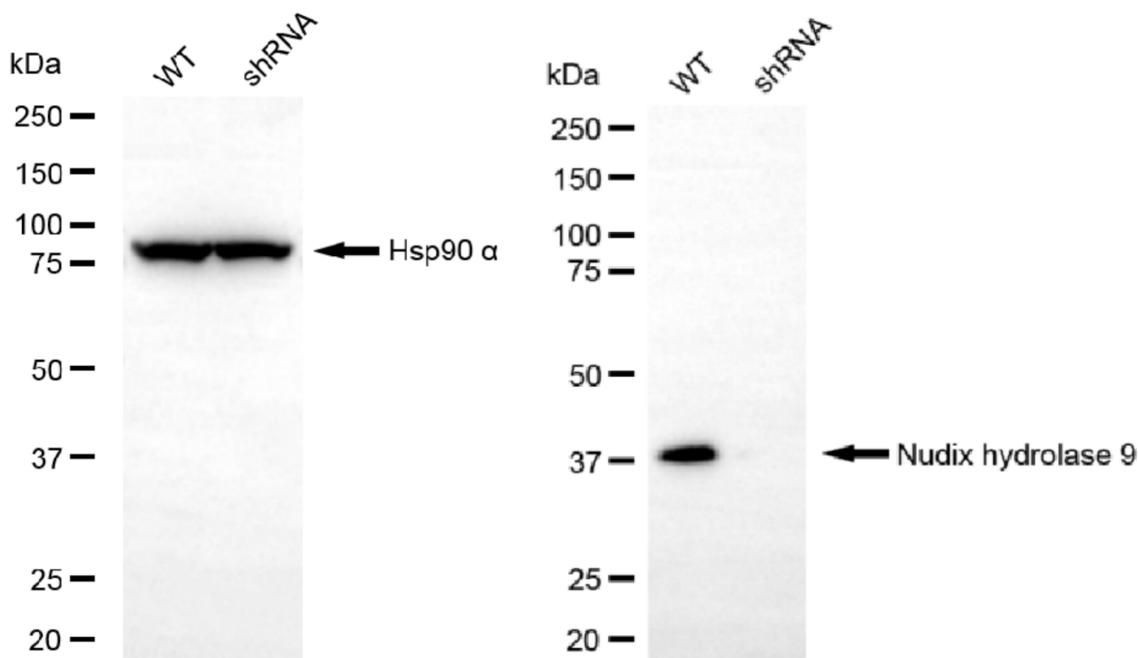
# Human NUDT9 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	19.99
Knock-Down	23.31
$\Delta$ Ct (Ct <sub>KD</sub> -Ct <sub>WT</sub> )	3.32
% mRNA Reduction	↓ 90%

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RT-qPCR analysis. HeLa cells were infected with NUDT9-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:  $(1-1/2^{\Delta$ Ct) x 100%.



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Western blotting analysis. NUDT9 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 against NUDT9 and Hsp90  $\alpha$ , respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using NaQ™ ECL Substrate Kit.

**SUPPORT**

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