

# Human RAC3 Knockdown Cell Line (WB-Validated)



**Catalog #: C61199**

## Aliases

RAC3; Rac Family Small GTPase 3; Ras-Related C3 Botulinum Toxin Substrate 3 (Rho Family, Small GTP Binding Protein Rac3); Ras-Related C3 Botulinum Toxin Substrate 3; P21-Rac3; Rho Family, Small GTP Binding Protein Rac3; EC 3.6.5.2

## Background

Gene Name: RAC3  
NCBI Gene Entry: [5881](#)

## Storage

Store at liquid nitrogen for 1 year.

## Kit Components

1. Human RAC3 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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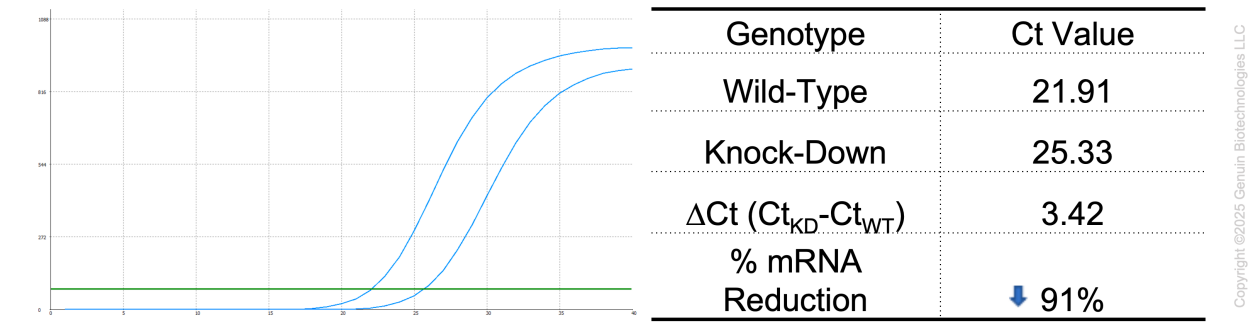
### SUPPORT

SUPPORT@GENUINBIOTECH.COM  
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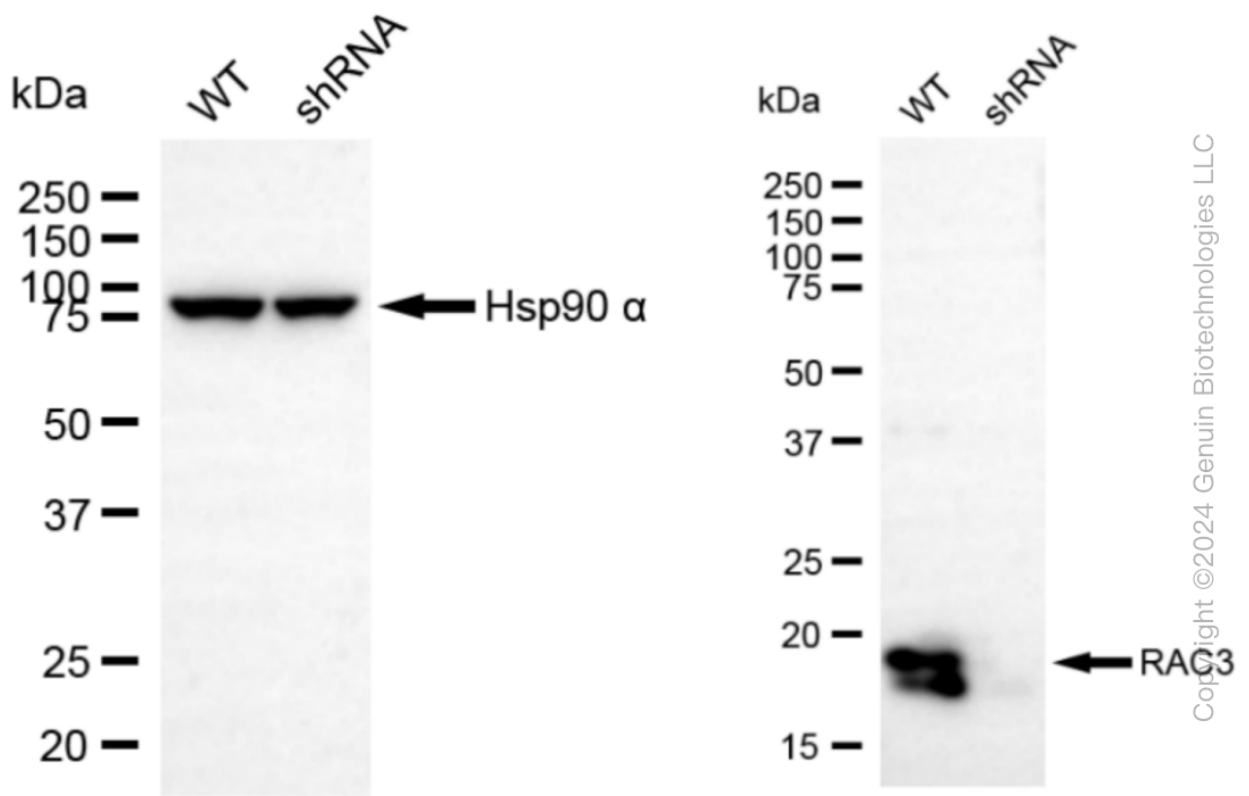
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RT-qPCR analysis. HeLa cells were infected with RAC3-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers.  $\Delta Ct (Ct_{KD} - Ct_{WT})$  was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula:  $(1 - 1/2^{\Delta Ct}) \times 100\%$ .



Western blotting analysis. RAC3 protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting. Hsp90 α served as a loading control. The blots were incubated with primary antibodies against RAC3 and Hsp90 α, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.