

# Human LLGL1 Knockdown Cell Line (WB-Validated)



**Catalog #: C65649**

## Aliases

LLGL1; LLGL Scribble Cell Polarity Complex Component 1; Lgl1; Mgl1; DLG4; HUGL; LLGL; Lethal Giant Larvae Homolog 1, Scribble Cell Polarity Complex Component; Lethal(2) Giant Larvae Protein Homolog 1; Human Homolog To The D-Lgl Gene Protein; HUGL-1; HUGL1; LLGL1, Scribble Cell Polarity Complex Component; Lethal Giant Larvae Homolog 1 (Drosophila); Hugl-1

## Background

Gene Name: LLGL1  
NCBI Gene Entry: [3996](#)

## Storage

Store at liquid nitrogen for 1 year.

## Kit Components

1. Human LLGL1 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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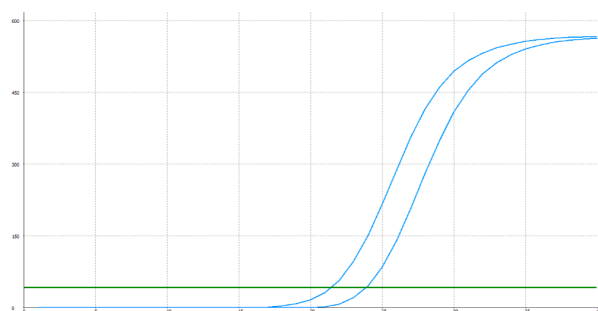
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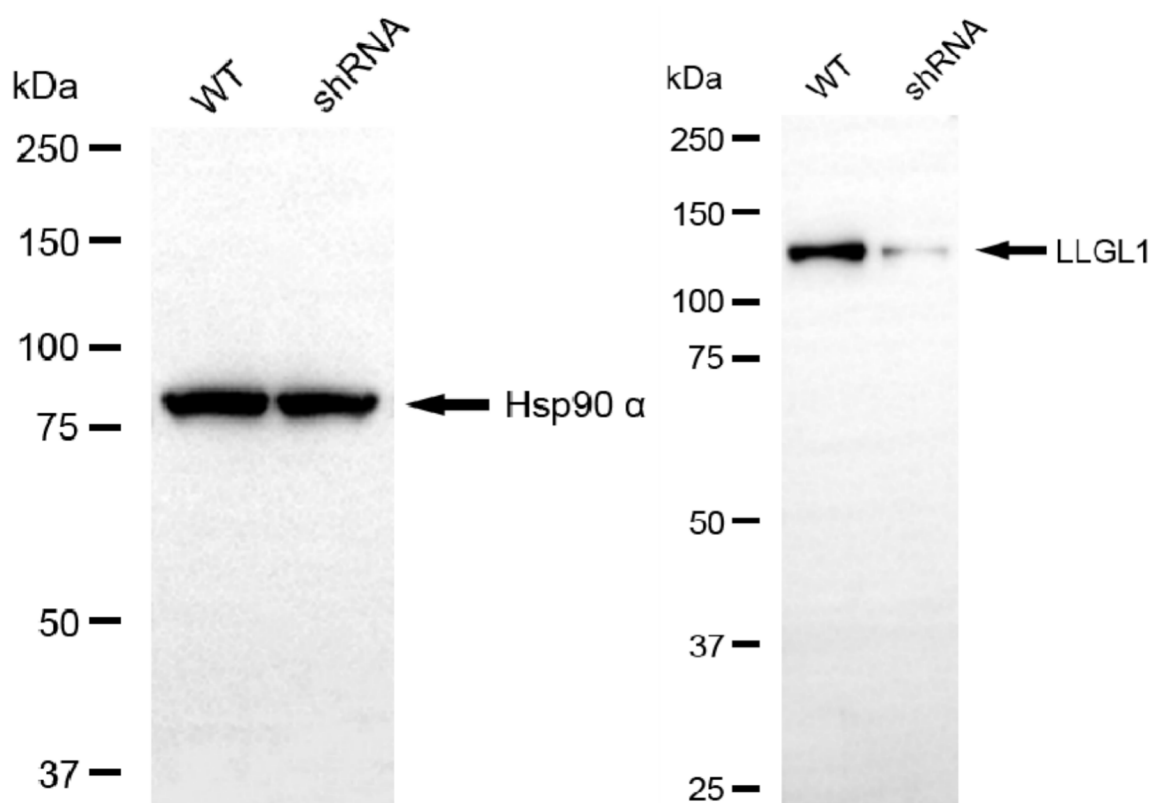
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Genotype	Ct Value
Wild-Type	23.85
Knock-Down	26.67
$\Delta Ct (Ct_{KD} - Ct_{WT})$	2.82
% mRNA Reduction	↓ 86%

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RT-qPCR analysis. HeLa cells were infected with LLGL1-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:  $(1 - 1/2^{\Delta Ct}) \times 100\%$ .



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Western blotting analysis. LLGL1 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 LLGL1 and Hsp90  $\alpha$ , respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using NaQ™ ECL Substrate Kit.