Human LGMN Knockdown Cell Line (WB-Validated)

GenuIN BIOTECH
REAL MATTERS

Catalog #: C61172

Aliases

LGMN; Legumain; LGMN1; PRSC1; Protease, Cysteine, 1 (Legumain) ; Asparaginyl Endopeptidase; Protease, Cysteine 1; EC 3.4.22.34; Cysteine Protease 1; AEP

Background

Gene Name: LGMN
NCBI Gene Entry: 5641

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human LGMN 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.

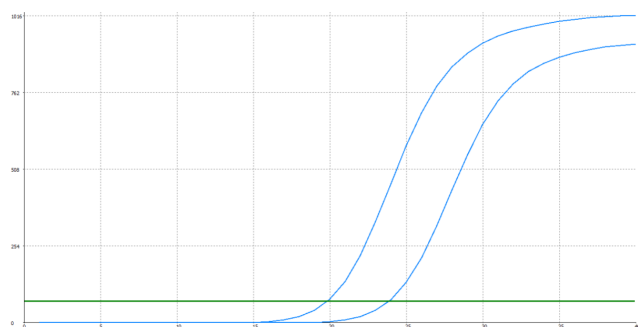## Validation Data

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

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

WWW.GENUINBIOTECH.COM

Human LGMN Knockdown Cell Line (WB-Validated)

Genotype	Ct Value
Wild-Type	19.87
Knock-Down	23.71
ΔCt (Ct$_{KD}$-Ct$_{WT}$)	3.84
% mRNA Reduction	⬇ 93%

RT-qPCR analysis. HeLa cells were infected with LGMN-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. ΔCt (CtKD-CtWT) was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: (1-1/2ΔCt) x 100%.

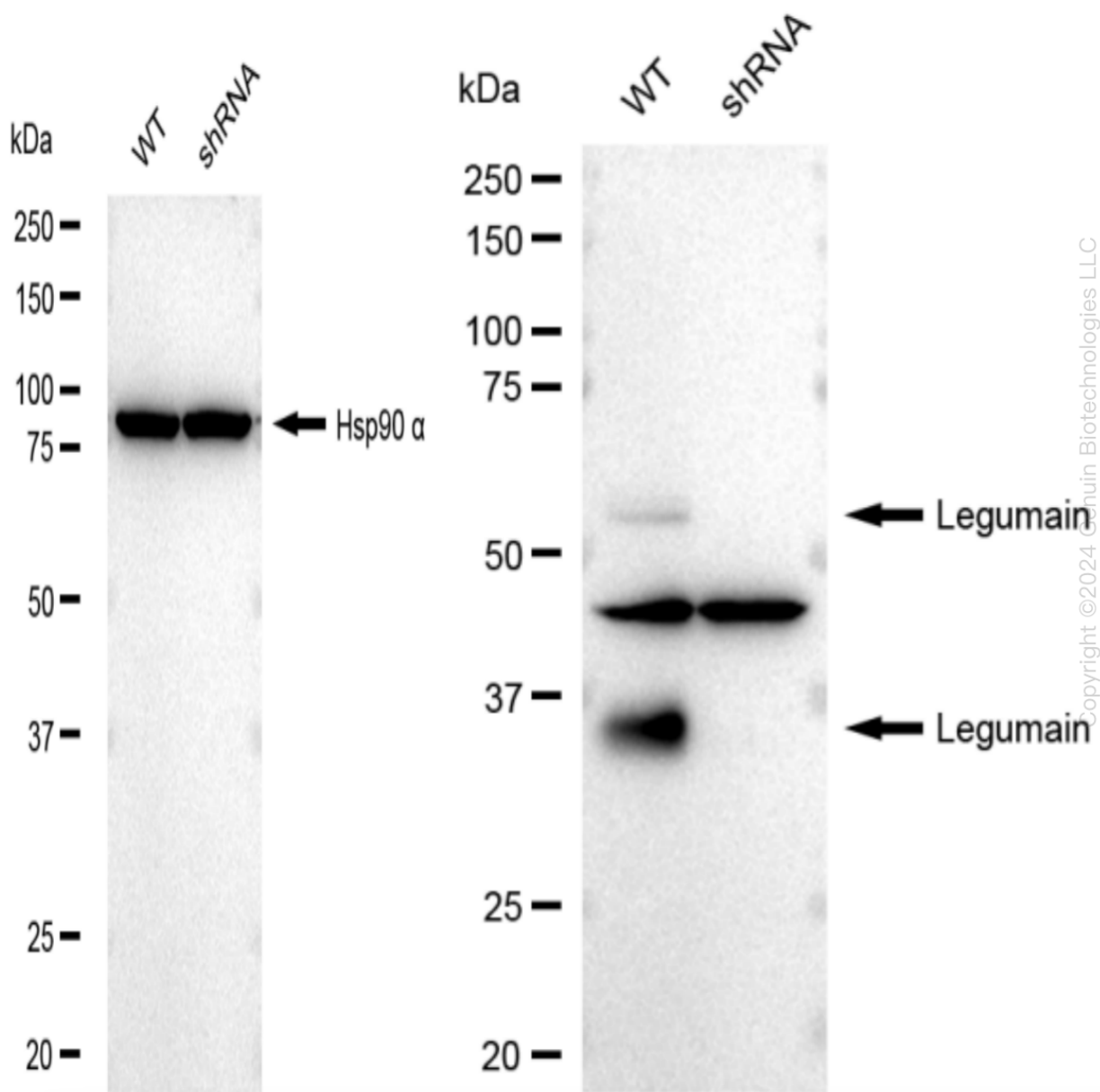# Human LGMN Knockdown Cell Line (WB-Validated)

Western blotting analysis. LGMN 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 (Cat#65172, 1:5,000) against LGMN and Hsp90 α, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000). Images were developed using FeQ™ ECL Substrate Kit (Cat#226).

SUPPORT

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

ORDERS

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

WWW.GENUINBIOTECH.COM