Human SH3GL1 Knockdown Cell Line (WB-Validated)

Catalog #: C65029

Aliases

SH3GL1; SH3 Domain Containing GRB2 Like 1, Endophilin A2; SH3D2B; CNSA1; EEN; SH3P8; Extra Eleven-Nineteen Leukemia Fusion Gene Protein; SH3 Domain-Containing GRB2-Like Protein 1; SH3-Containing Grb-2-Like 1 Protein; Extra 11-19 Leukemia Fusion; EEN Fusion Partner Of MLL; SH3-Domain GRB2-Like 1; SH3 Domain Protein 2B; Endophilin-A2; Endophilin-2; MGC111371; SH3 Domain Containing GRB2 Like 1; SH3-Containing Protein EEN; SH3 Domain GRB2-Like 1; Fusion Partner Of MLL; Endophilin A2

Background

Gene Name: SH3GL1
NCBI Gene Entry: 6455

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human SH3GL1 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.

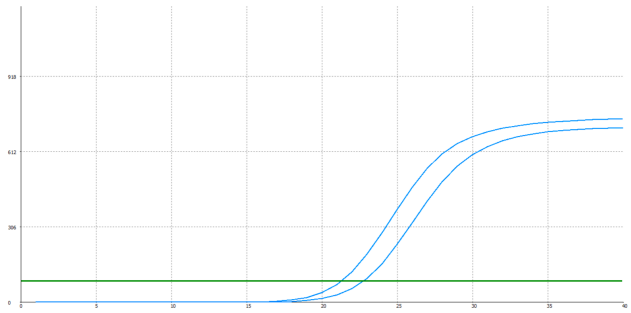
Instructions For Use

This knockdown cell line should be paired with wild-type cell line for use.

Note: This product is for research use only.

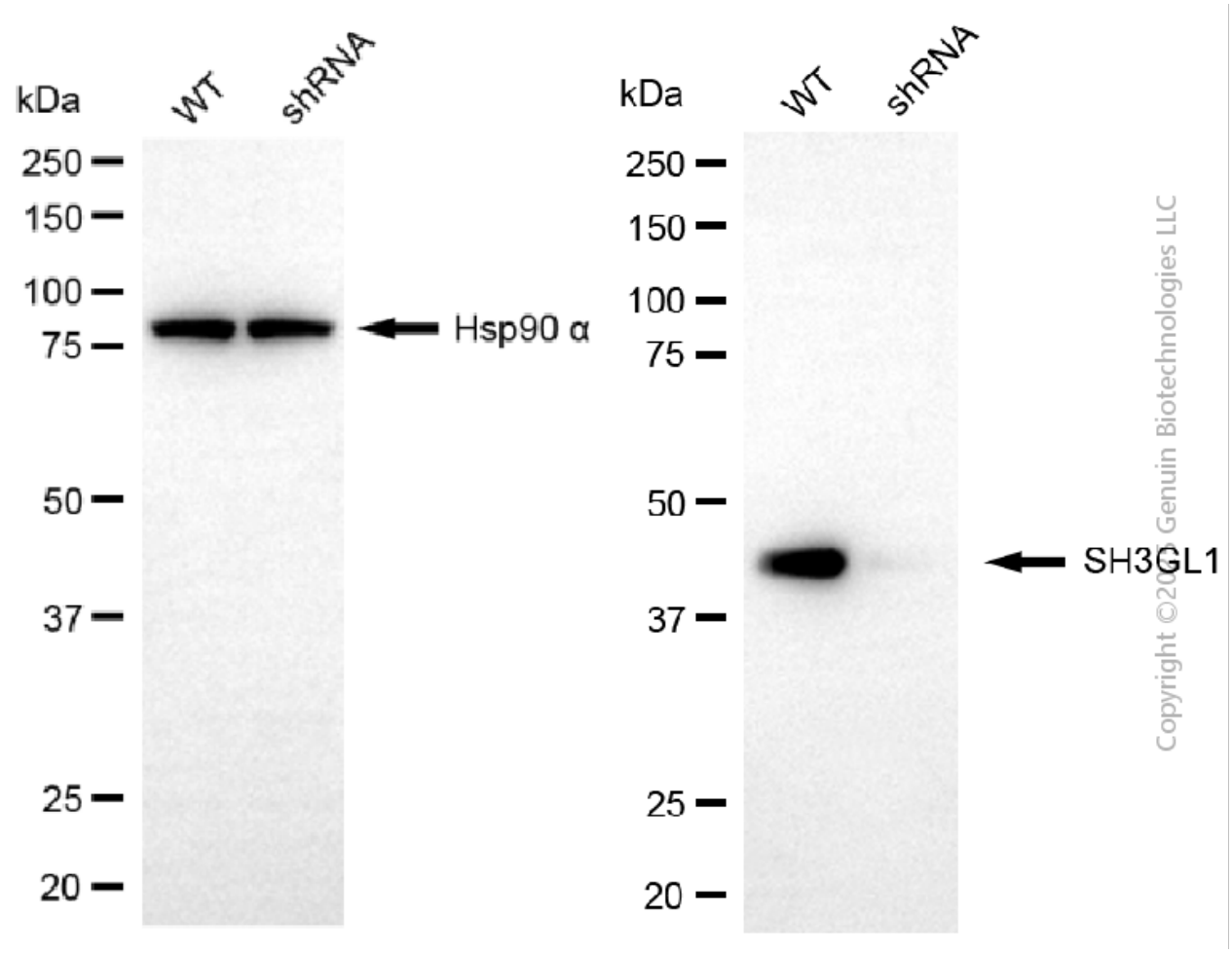
Validation Data

Human SH3GL1 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	20.41
Knock-Down	21.80
$\Delta Ct\ (Ct_{KD}\text{-}Ct_{WT})$	1.39
% mRNA Reduction	⬇ 62%

RT-qPCR analysis. HeLa cells were infected with SH3GL1-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%.



Western blotting analysis. SH3GL1 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 SH3GL1 and Hsp90 α, respectively, followed by incubating with HRP-conjugated goat anti-mouse secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.