

Human PLSCR1 Knockdown Cell Line (WB-Validated)



Catalog #: C62592

Aliases

Phospholipid Scramblase 1; MMTRA1B; Ca(2+)-Dependent Phospholipid Scramblase 1; Erythrocyte Phospholipid Scramblase; Mg(2+)-Dependent Nuclease; PL Scramblase 1; EC 3.1.-.-; MmTRA1b

Background

Gene Name: PLSCR1
NCBI Gene Entry: [5359](#)

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human PLSCR1 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

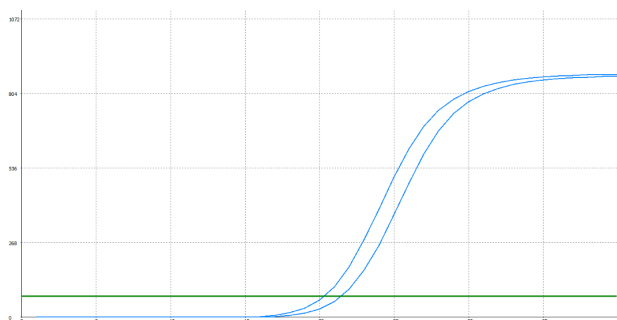
SUPPORT

SUPPORT@GENUINBIOTECH.COM
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ORDERS

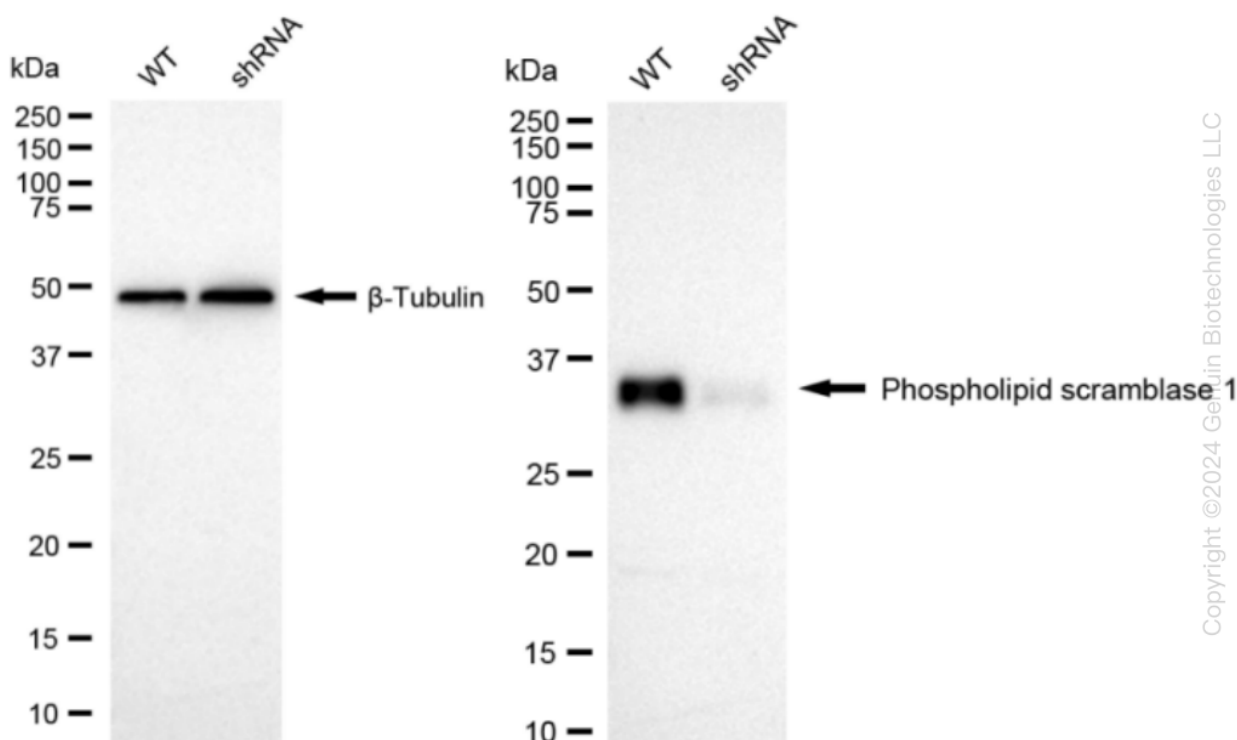
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Genotype	Ct Value
Wild-Type	20.01
Knock-Down	21.12
$\Delta Ct (Ct_{KD} - Ct_{WT})$	1.11
% mRNA Reduction	↓ 54%

RT-qPCR analysis. HeLa cells were infected with PLSCR1-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. PLSCR1 protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting. β -Tubulin served as a loading control. The blots were incubated with primary antibodies against PLSCR1 and β -Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.