Human PRMT1 Knockdown Cell Line (WB-Validated)

Catalog #: C63320

Aliases

PRMT1; Protein Arginine Methyltransferase 1; HRMT1L2; HCP1; ANM1; HMT1 (HnRNP Methyltransferase, S. Cerevisiae)-Like 2; Histone-Arginine N-MethyltransferasePRMT1; Protein Arginine N-Methyltransferase 1; Interferon Receptor 1-Bound Protein 4; Highly Conserved Protein 1; IR1B4; Heterogeneous Nuclear Ribonucleoprotein Methyltransferase 1-Like 2; HMT1 HnRNP Methyltransferase-Like 2 (S. Cerevisiae); EC 2.1.1.319; EC 2.1.1.77; EC 2.1.1; HMT2

Background

Gene Name: PRMT1
NCBI Gene Entry: 3276

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human PRMT1 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.

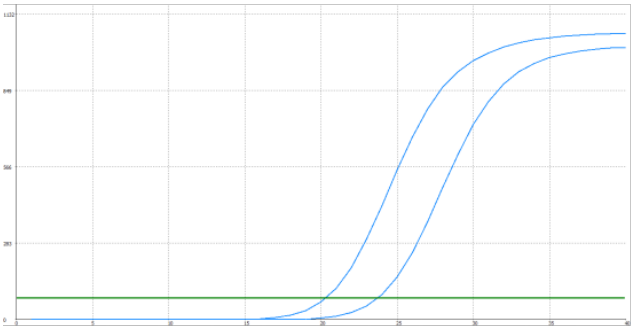
Instructions For Use

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

Note: This product is for research use only.

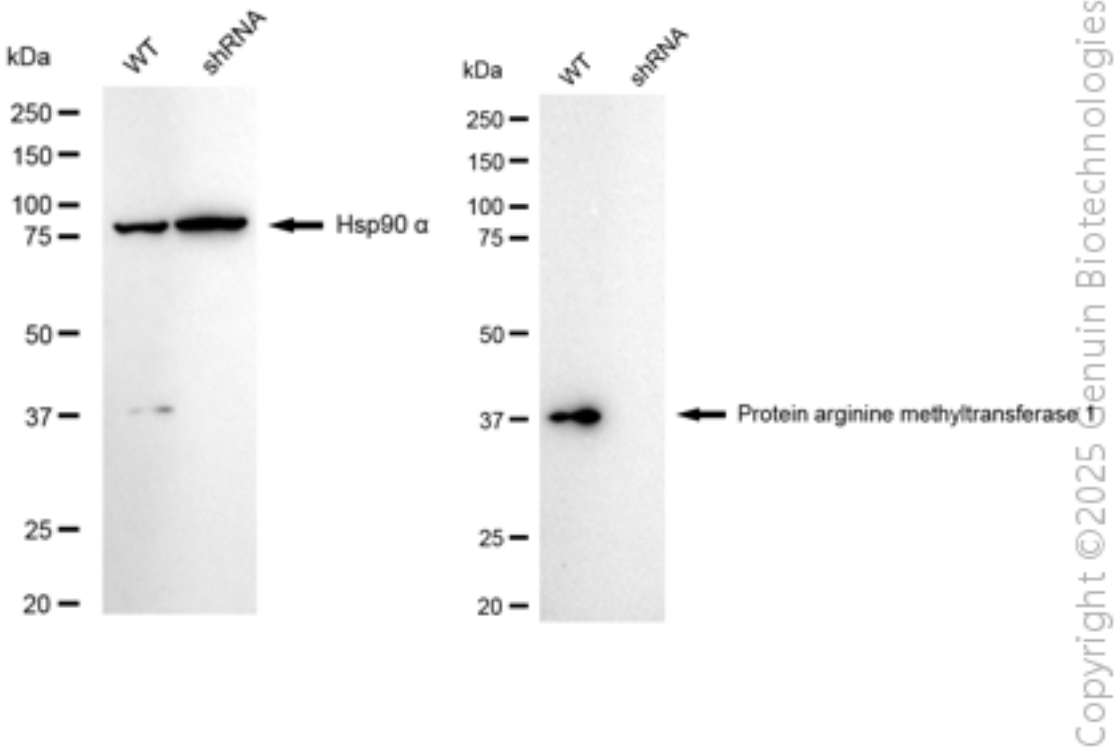
Validation Data

Human PRMT1 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	20.22
Knock-Down	23.52
ΔCt (CtKD-CtWT)	3.30
% mRNA Reduction	90%

RT-qPCR analysis. HeLa cells were infected with PRMT1-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. PRMT1 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 PRMT1 and Hsp90 α, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.