

Human PTGES3 Knockdown Cell Line (WB-Validated)



Catalog #: C62574

Aliases

PTGES3; Prostaglandin E Synthase 3; CPGES; TEBP; P23; Prostaglandin E Synthase 3 (Cytosolic); Cytosolic Prostaglandin E2 Synthase; Progesterone Receptor Complex P23; Telomerase-Binding Protein P23; Hsp90 Co-Chaperone; EC 5.3.99.3; Unactive Progesterone Receptor, 23 KD; Cytosolic Prostaglandin E Synthase

Background

Gene Name: PTGES3

NCBI Gene Entry: [10728](#)

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human PTGES3 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

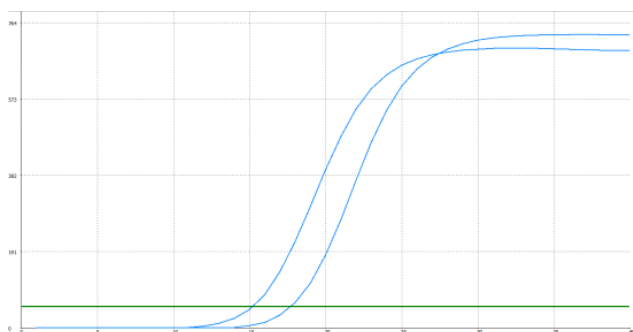
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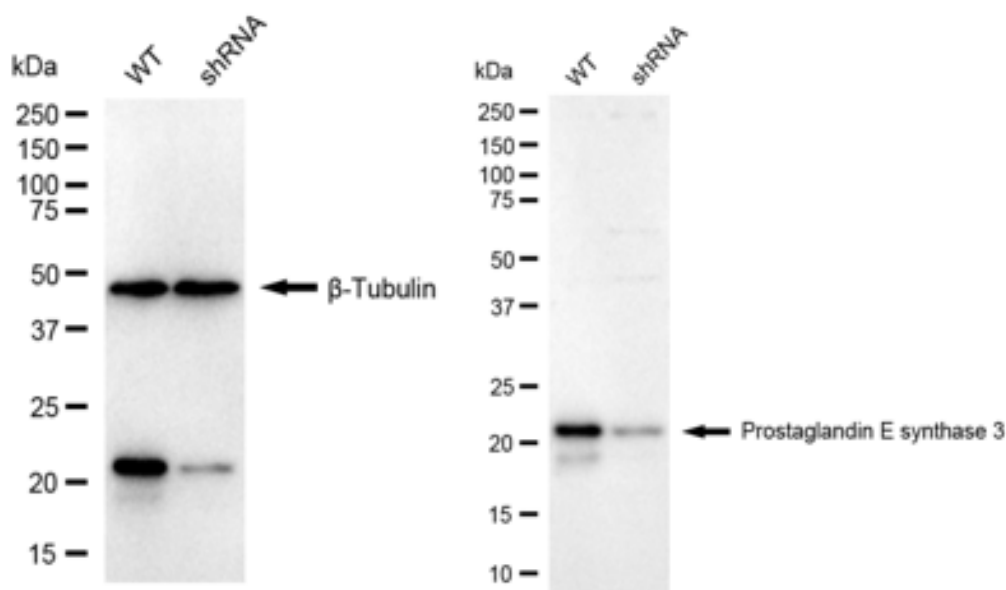
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Genotype	Ct Value
Wild-Type	15.09
Knock-Down	17.66
Δ Ct (CtKD-CtWT)	2.57
% mRNA Reduction	83%

RT-qPCR analysis. HeLa cells were infected with PTGES3-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. Δ Ct (CtKD-CtWT) was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: $(1 - 1/2^{\Delta\text{Ct}}) \times 100\%$.



Western blotting analysis. PTGES3 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 PTGES3 and β -Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.