

Human PGAM1 Knockdown Cell Line (WB-Validated)



Catalog #: C62609

Aliases

Phosphoglycerate Mutase 1; PGAM-B; PGAMA; Phosphoglycerate Mutase A, Nonmuscle Form; Phosphoglycerate Mutase 1 (Brain); Phosphoglycerate Mutase Isozyme B; BPG-Dependent PGAM 1; Epididymis Secretory Protein Li 35; EC 5.4.2.11; EC 5.4.2.4; EC 5.4.2.1; HEL-S-35

Background

Gene Name: PGAM1
NCBI Gene Entry: [5223](#)

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human PGAM1 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

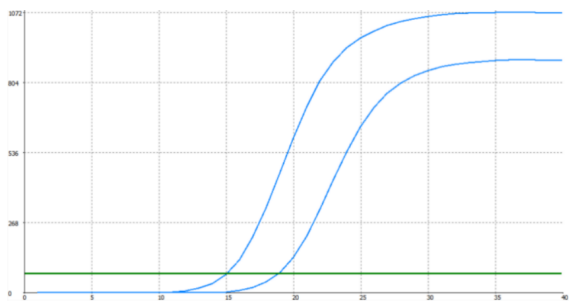
SUPPORT

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ORDERS

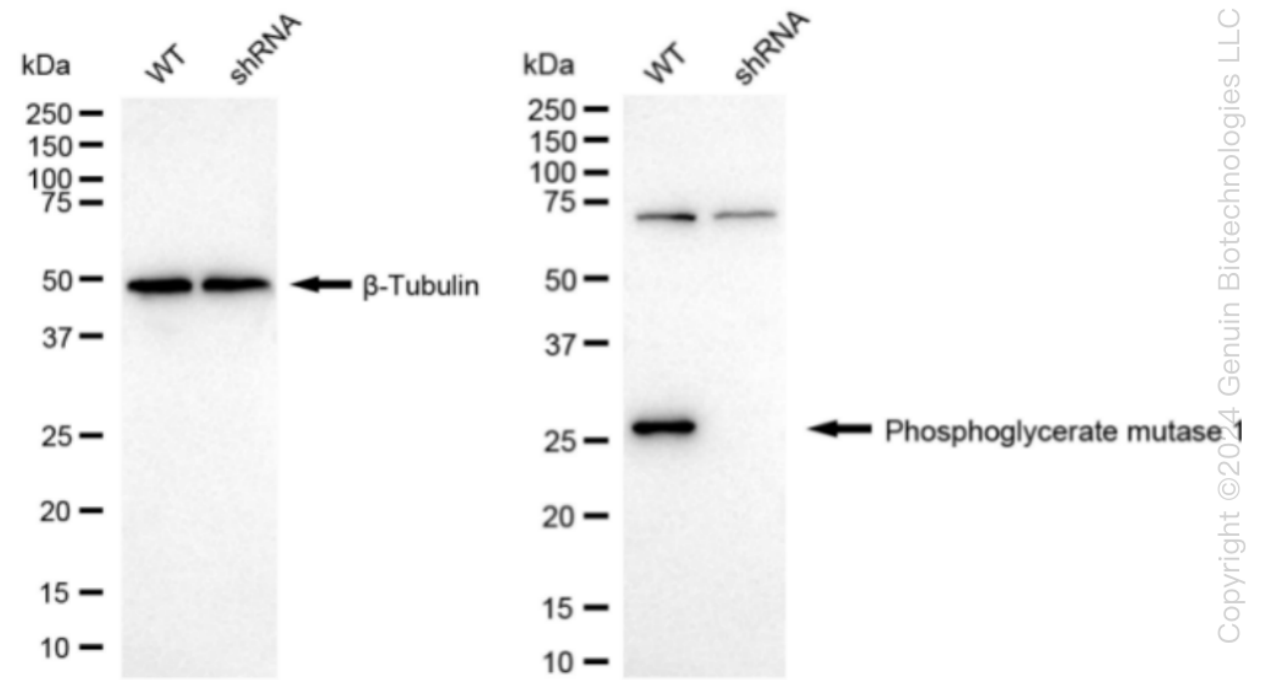
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Genotype	Ct Value
Wild-Type	15.10
Knock-Down	18.62
ΔCt ($Ct_{KD}-Ct_{WT}$)	3.52
% mRNA Reduction	↓ 91%

RT-qPCR analysis. HeLa cells were infected with PGAM1-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. ΔCt ($Ct_{KD}-Ct_{WT}$) 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. PGAM1 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 (Cat#62609, 1:5,000) against PGAM1 and β -Tubulin, 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).