

Human PPP2R5E Knockdown Cell Line (WB-Validated)



Catalog #: C62517

Aliases

Protein Phosphatase 2 Regulatory Subunit B'Epsilon; B56epsilon; B56E; Serine/Threonine-Protein Phosphatase 2A 56 KDa Regulatory Subunit Epsilon Isoform; Serine/Threonine Protein Phosphatase 2A, 56 KDa Regulatory Subunit, Epsilon; Protein Phosphatase 2, Regulatory Subunit B (B56), Epsilon Isoform; Protein Phosphatase 2 Regulatory Subunit B', Epsilon; PP2A B Subunit Isoform PR61-Epsilon; PP2A B Subunit Isoform B56-Epsilon; PP2A B Subunit Isoform B'-Epsilon; PP2A B Subunit Isoform R5-Epsilon; PP2A, B Subunit, PR61 Epsilon; PP2A, B Subunit, B56 Epsilon; PP2A, B Subunit, B' Epsilon; PP2A, B Subunit, R5 Epsilon

Background

Gene Name: PPP2R5E

NCBI Gene Entry: [5529](#)

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human PPP2R5E 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

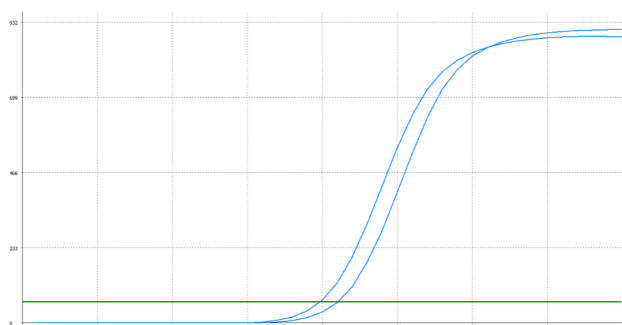
SUPPORT

SUPPORT@GENUINBIOTECH.COM
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ORDERS

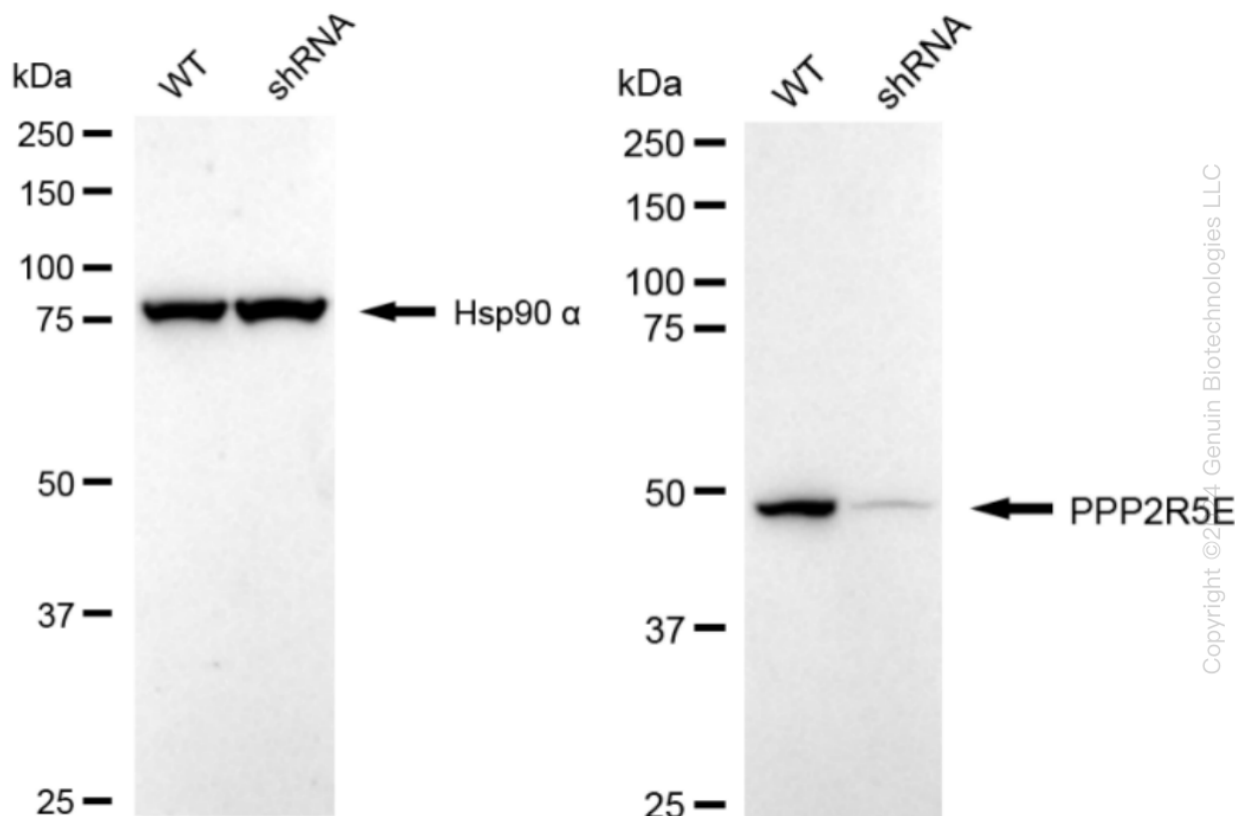
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| Genotype | Ct Value |
|---------------------------------|----------|
| Wild-Type | 19.78 |
| Knock-Down | 21.03 |
| $\Delta Ct (Ct_{KD} - Ct_{WT})$ | 1.25 |
| % mRNA Reduction | ↓ 58% |

RT-qPCR analysis. HeLa cells were infected with PPP2R5E-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. PPP2R5E 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 PPP2R5E and Hsp90 α , respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.