

## Human SFPQ Knockdown Cell Line (WB-Validated)



**Catalog #: C62518**

### Aliases

SFPQ; Splicing Factor Proline And Glutamine Rich; PSF; PPP1R140; Polypyrimidine Tract Binding Protein Associated; Protein Phosphatase 1, Regulatory Subunit 140; DNA-Binding P52/P100 Complex, 100 KDa Subunit; Splicing Factor, Proline- And Glutamine-Rich; Splicing Factor Proline/Glutamine-Rich; 100 KDa DNA-Pairing Protein; Splicing Factor Proline/Glutamine Rich (Polypyrimidine Tract-Binding Protein-Associated); Splicing Factor Proline/Glutamine Rich (Polypyrimidine Tract Binding Protein Associated); Polypyrimidine Tract-Binding Protein-Associated Splicing Factor; Polypyrimidine Tract-Binding Protein-Associated-Splicing Factor; Epididymis Secretory Sperm Binding Protein; PTB-Associated Splicing Factor; PTB-Associated-Splicing Factor; HPOMp100; POMP100

### Background

Gene Name: SFPQ

NCBI Gene Entry: [6421](#)

### Storage

Store at liquid nitrogen for 1 year.

### Kit Components

1. Human SFPQ 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.

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#### SUPPORT

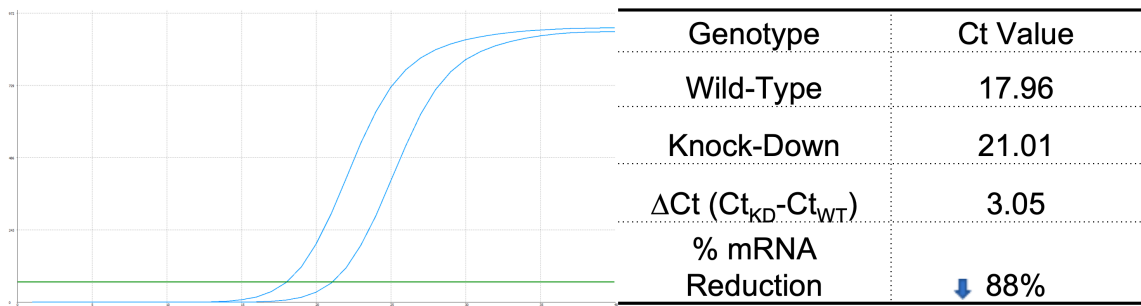
SUPPORT@GENUINBIOTECH.COM  
TEL: +1-540-855-7041

#### ORDERS

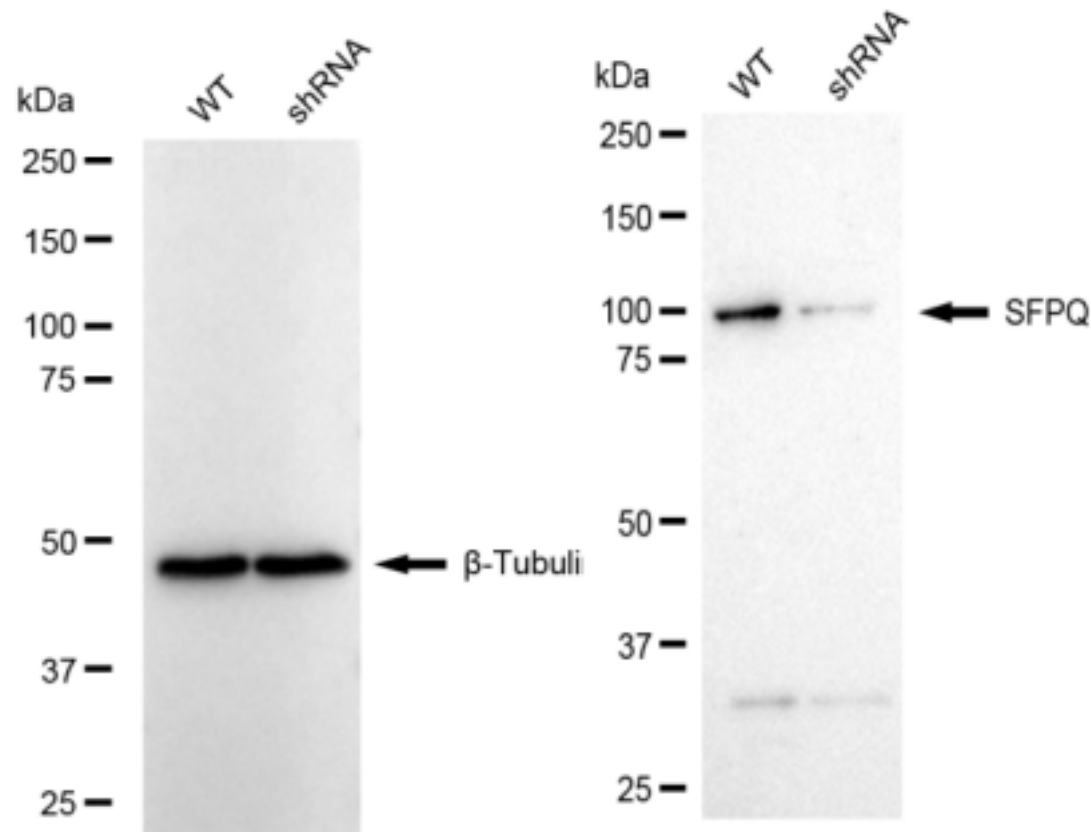
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Validation Data



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