

Human STAT5A Knockdown Cell Line (WB-Validated)



Catalog #: C62641

Aliases

STAT5A; Signal Transducer And Activator Of Transcription 5A; STAT5; MGF; Epididymis Secretory Sperm Binding Protein

Background

Gene Name: STAT5A
NCBI Gene Entry: [6776](#)

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human STAT5A 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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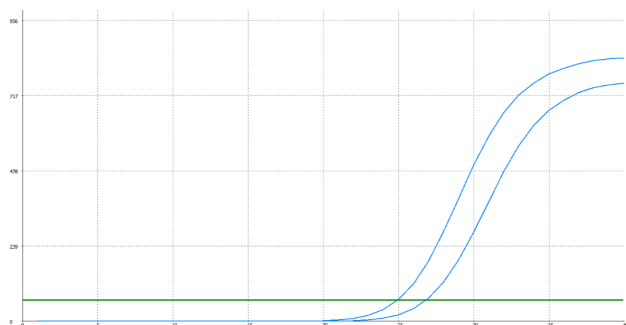
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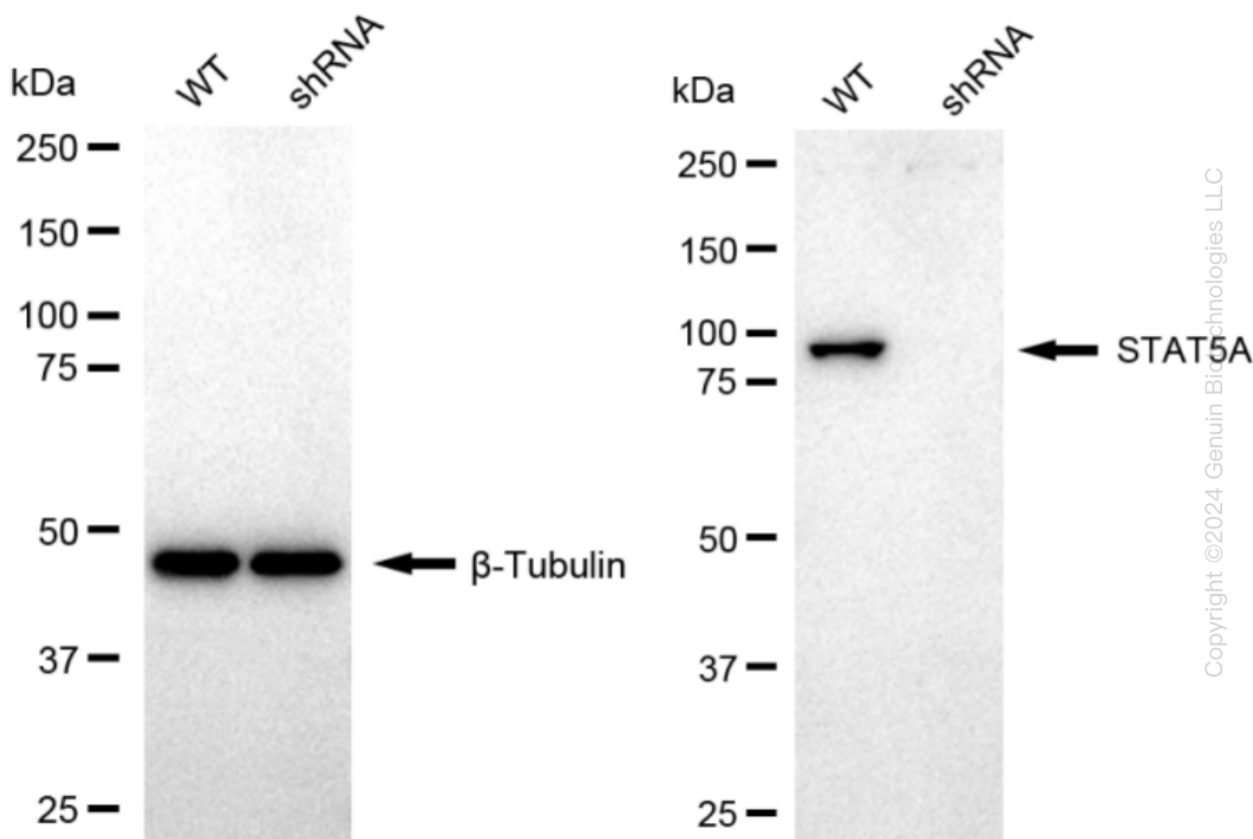
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PAGE 2



Genotype	Ct Value
Wild-Type	24.71
Knock-Down	26.42
$\Delta Ct (Ct_{KD}-Ct_{WT})$	1.71
% mRNA Reduction	↓ 69%

RT-qPCR analysis. HeLa cells were infected with STAT5A-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. STAT5A 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 STAT5A and β -Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.

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