Human IGFBP7 Knockdown Cell Line (WB-Validated)

Catalog #: C63291

Aliases

IGFBP7; Insulin Like Growth Factor Binding Protein 7; IGFBP-7; MAC25; PSF; FSTL2; Insulin-Like Growth Factor-Binding Protein 7; Prostacyclin-Stimulating Factor; Tumor-Derived Adhesion Factor; PGI2-Stimulating Factor; IGF-Binding Protein 7; IGFBP-RP1; IBP-7; TAF; Insulin-Like Growth Factor Binding Protein 7; MAC25 Protein; Angiomodulin; IGFBP-7v; IGFBPRP1; RAMSVPS; AGM

Background

Gene Name: IGFBP7
NCBI Gene Entry: 3490

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human IGFBP7 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.

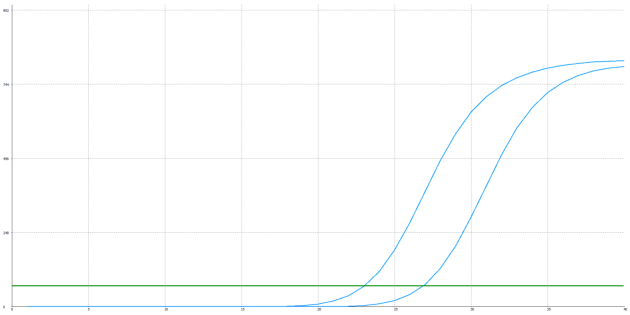
Instructions For Use

This knockdown cell line should be paired with wild-type cell line for use.

Note: This product is for research use only.

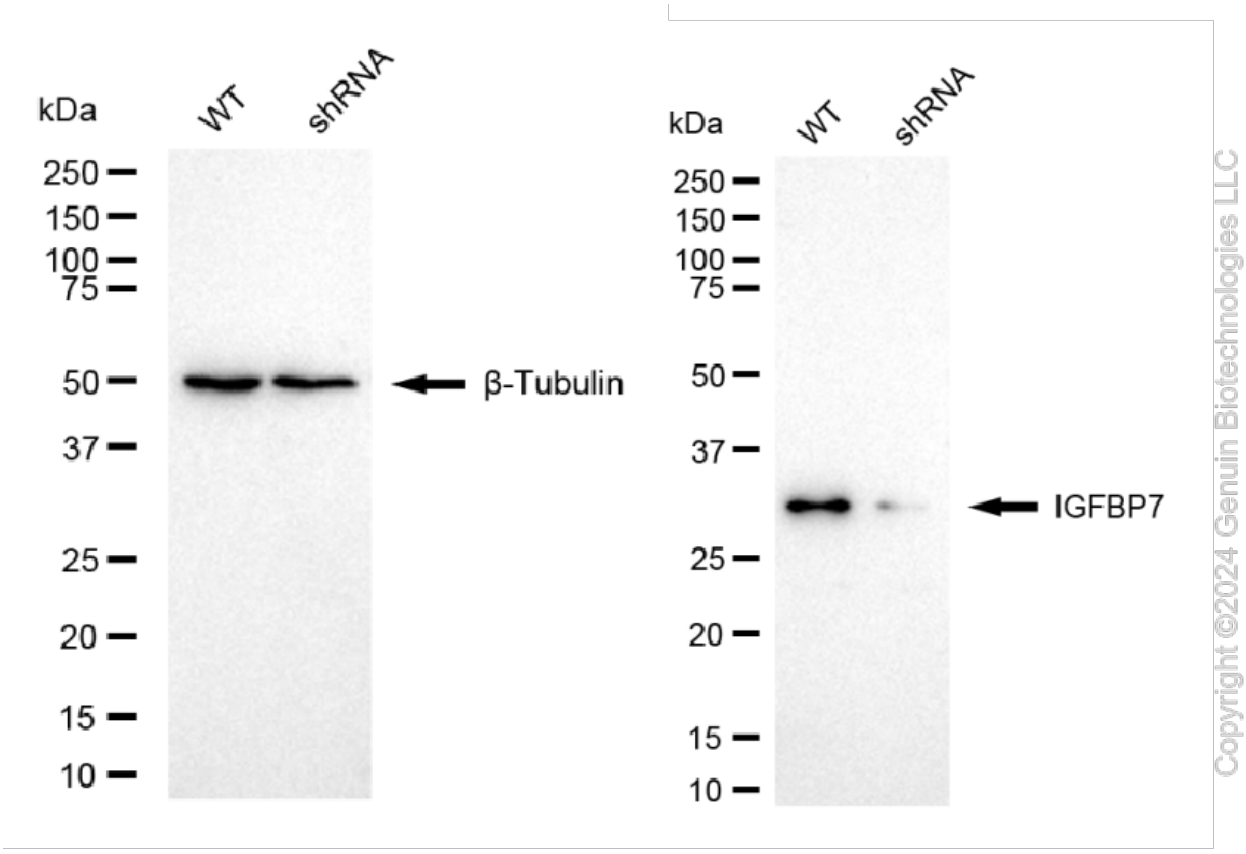
Validation Data

Human IGFBP7 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	22.70
Knock-Down	26.49
ΔCt (Ct_{KD}-Ct_{WT})	3.79
% mRNA Reduction	⬇ 93%

RT-qPCR analysis. HT-1080 cells were infected with IGFBP7-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. ΔCt (CtKD-CtWT) was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: (1-1/2ΔCt) x 100%.



Western blotting analysis. IGFBP7 protein expression in wild-type (WT) and shRNA knockdown (KD) HT-1080 cells was detected using Western blotting. β-Tubulin served as a loading control. The blots were incubated with primary antibodies against IGFBP7 and β-Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.