Human TACSTD2 Knockdown Cell Line (WB-Validated)

Catalog #: C65609

Aliases

TACSTD2; Tumor Associated Calcium Signal Transducer 2; GA733-1; TROP2; EGP-1; M1S1; Membrane Component Chromosome 1 Surface Marker 1; Tumor-Associated Calcium Signal Transducer 2; Pancreatic Carcinoma Marker Protein GA733-1; Trophoblast Cell Surface Antigen 2; Cell Surface Glycoprotein Trop-2; Epithelial Glycoprotein-1; 40kD Glycoprotein, Identified By Monoclonal Antibody GA733; Membrane Component, Chromosome 1, Surface Marker 1; Gastrointestinal Tumor-Associated Antigen GA7331; Pancreatic Carcinoma Marker Protein GA7331; Cell Surface Glycoprotein TROP2; GA7331; EGP1; GP50

Background

Gene Name: TACSTD2
NCBI Gene Entry: 4070

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human TACSTD2 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.

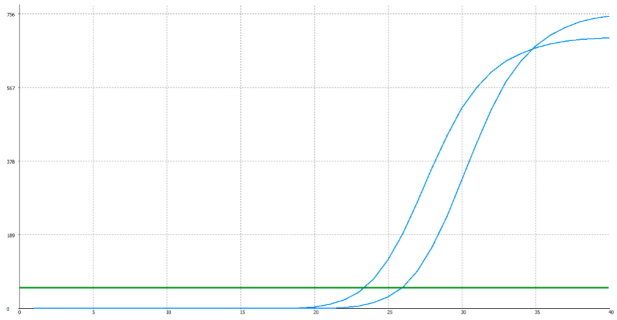
Instructions For Use

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

Note: This product is for research use only.

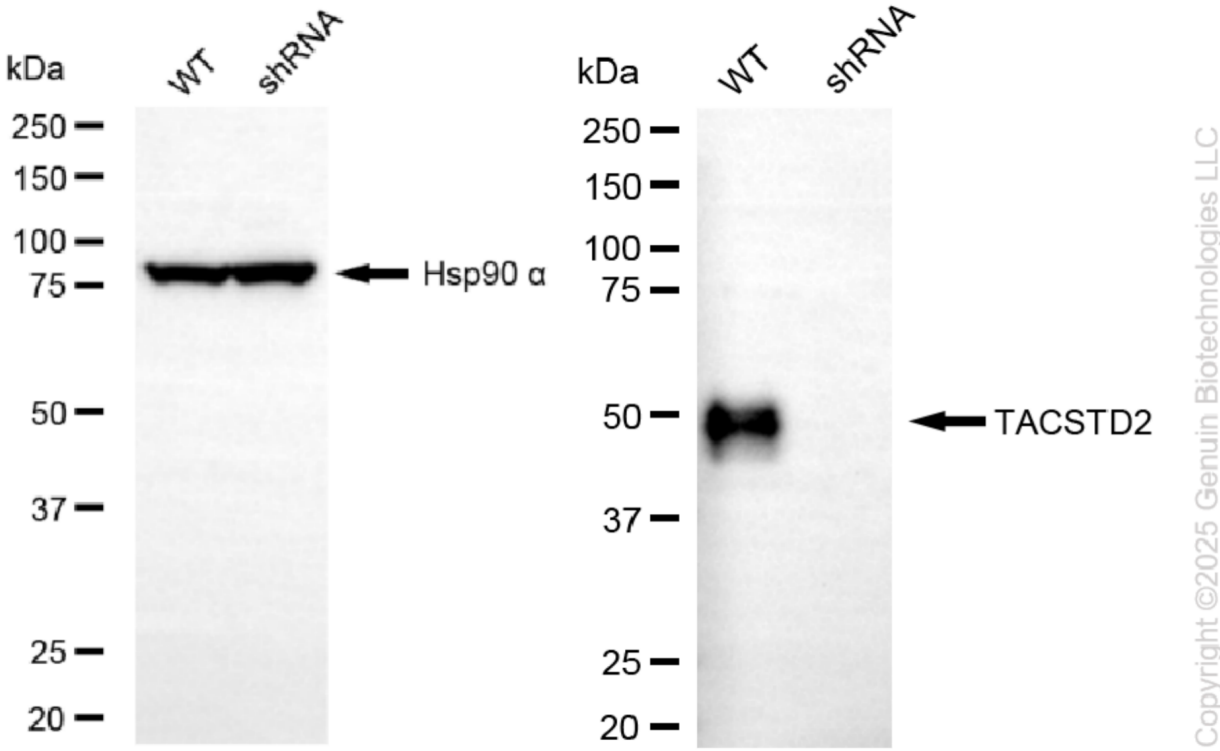
Validation Data

Human TACSTD2 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	23.24
Knock-Down	25.93
ΔCt (Ct_{KD}-Ct_{WT})	2.69
% mRNA Reduction	⬇ 85%

RT-qPCR analysis. HeLa cells were infected with TACSTD2-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.TACSTD2 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 TACSTD2 and Hsp90 α, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.