Human KIF2C Knockdown Cell Line (WB-Validated)

Catalog #: C63295

Aliases

KIF2C; Kinesin Family Member 2C; MCAK; CT139; KNSL6; Mitotic Centromere-Associated Kinesin; Kinesin-Like Protein KIF2C; Kinesin-Like Protein 6; Kinesin-Like 6 (Mitotic Centromere-Associated Kinesin); Testis Tissue Sperm-Binding Protein Li 68n

Background

Gene Name: KIF2C
NCBI Gene Entry: 11004

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human KIF2C 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.

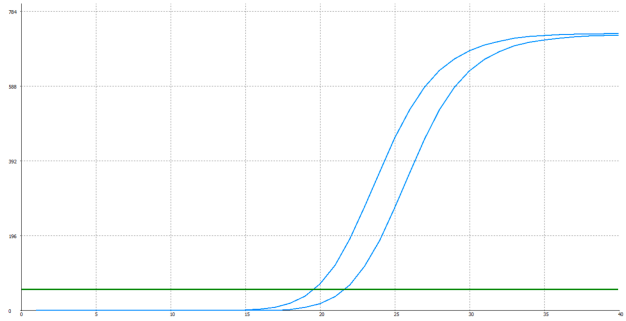
Instructions For Use

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

Note: This product is for research use only.

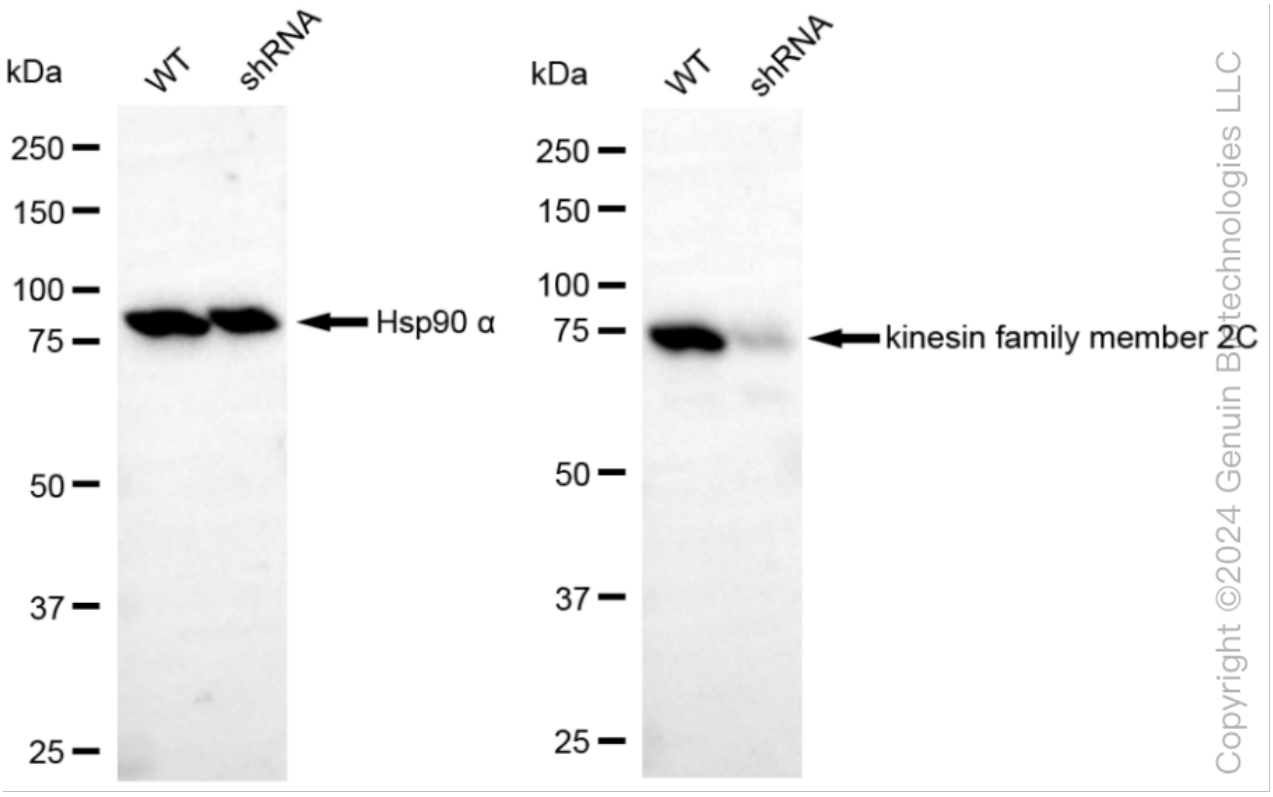
Validation Data

Human KIF2C Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	19.42
Knock-Down	21.48
ΔCt (Ct_{KD}-Ct_{WT})	2.06
% mRNA Reduction	⬇ 76%

RT-qPCR analysis. 293T cells were infected with KIF11-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. KIF2C protein expression in wild-type (WT) and shRNA knockdown (KD) 293T cells was detected using Western blotting. Hsp90 α served as a loading control. The blots were incubated with primary antibodies against KIF2C and Hsp90 α, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.