

Human KIF4A Knockdown Cell Line (WB-Validated)



Catalog #: C62183

Aliases

KIF4A; Kinesin Family Member 4A; KIF4; MRX100; Chromosome-Associated Kinesin KIF4A; Chromokinesin KIF4A; Chromokinesin-A; HSA271784; FLJ12530; FLJ12655; FLJ14204; FLJ20631; KIF4-G1; XLID100; KIF4G1; TMDI

Background

Gene Name: KIF4A

NCBI Gene Entry: [24137](#)

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human KIF4A 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

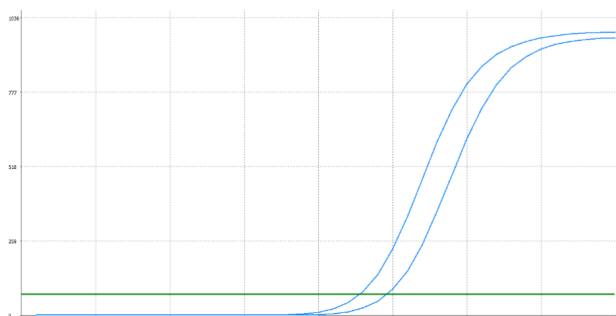
SUPPORT

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

ORDERS

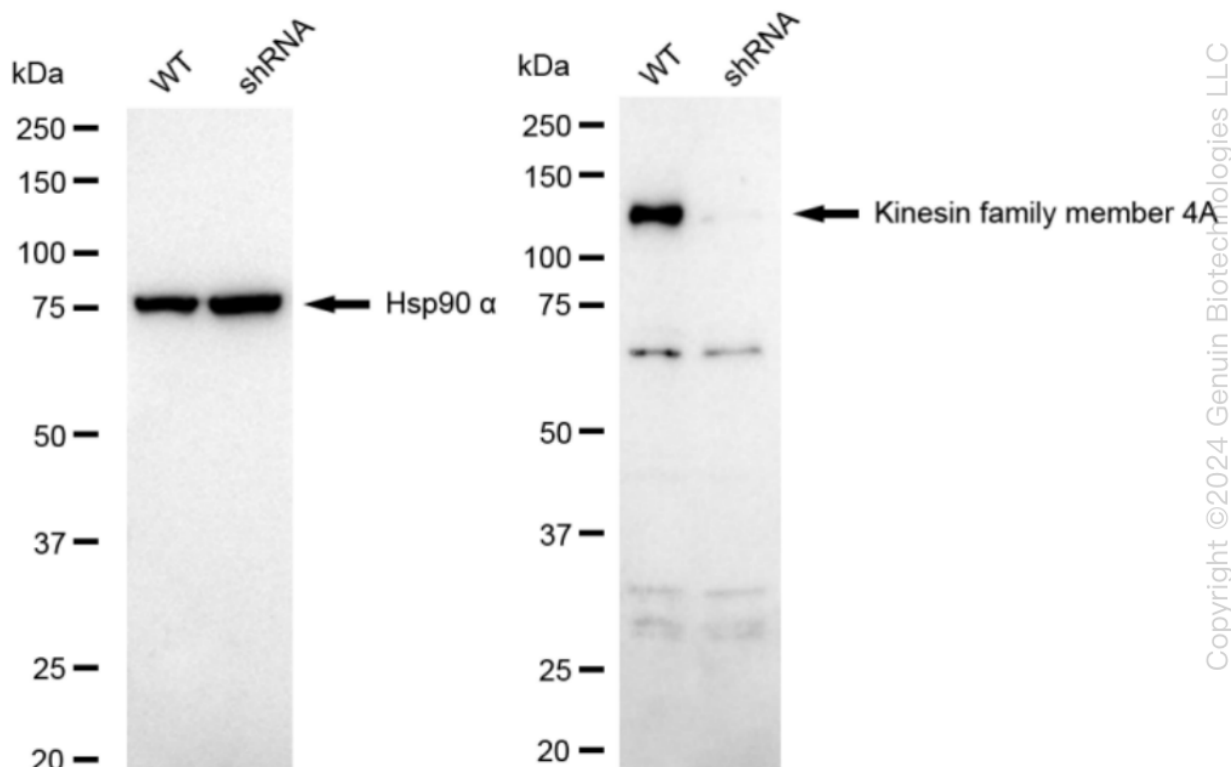
SALES@GENUINBIOTECH.COM
FAX: +1-540-855-7041

WWW.GENUINBIOTECH.COM



Genotype	Ct Value
Wild-Type	22.71
Knock-Down	24.49
$\Delta Ct (Ct_{KD} - Ct_{WT})$	1.78
% mRNA Reduction	↓ 71%

RT-qPCR analysis. HeLa cells were infected with KIF4A-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. KIF4A 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 (Cat#61161, 1:5,000) against KIF4A and Hsp90 α , respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000). Images were developed using FeQ™ ECL Substrate Kit (Cat#226).