Human QKI Knockdown Cell Line (WB-Validated)

Catalog #: C61814

Aliases

QKI; QKI, KH Domain Containing RNA Binding; QK3; KH Domain-Containing RNA-Binding Protein QKI; HqkI; Hqk; Homolog Of Mouse Quaking QKI (KH Domain RNA Binding Protein); Quaking Homolog, KH Domain RNA Binding (Mouse); Quaking Homolog, KH Domain RNA Binding; QKI/LOC100132735 Fusion; RNA Binding Protein HQK; Protein Quaking; QK1; HKQ; QK

Background

Gene Name: QKI
NCBI Gene Entry: 9444

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human QKI 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.

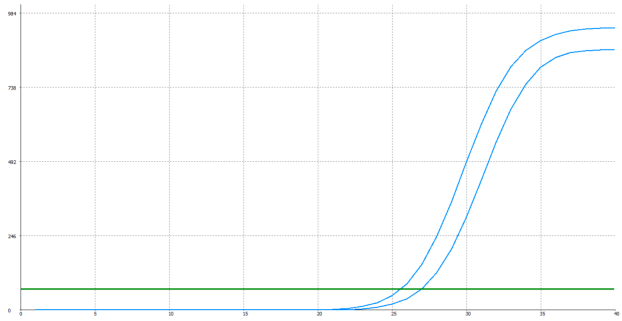
Instructions For Use

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

Note: This product is for research use only.

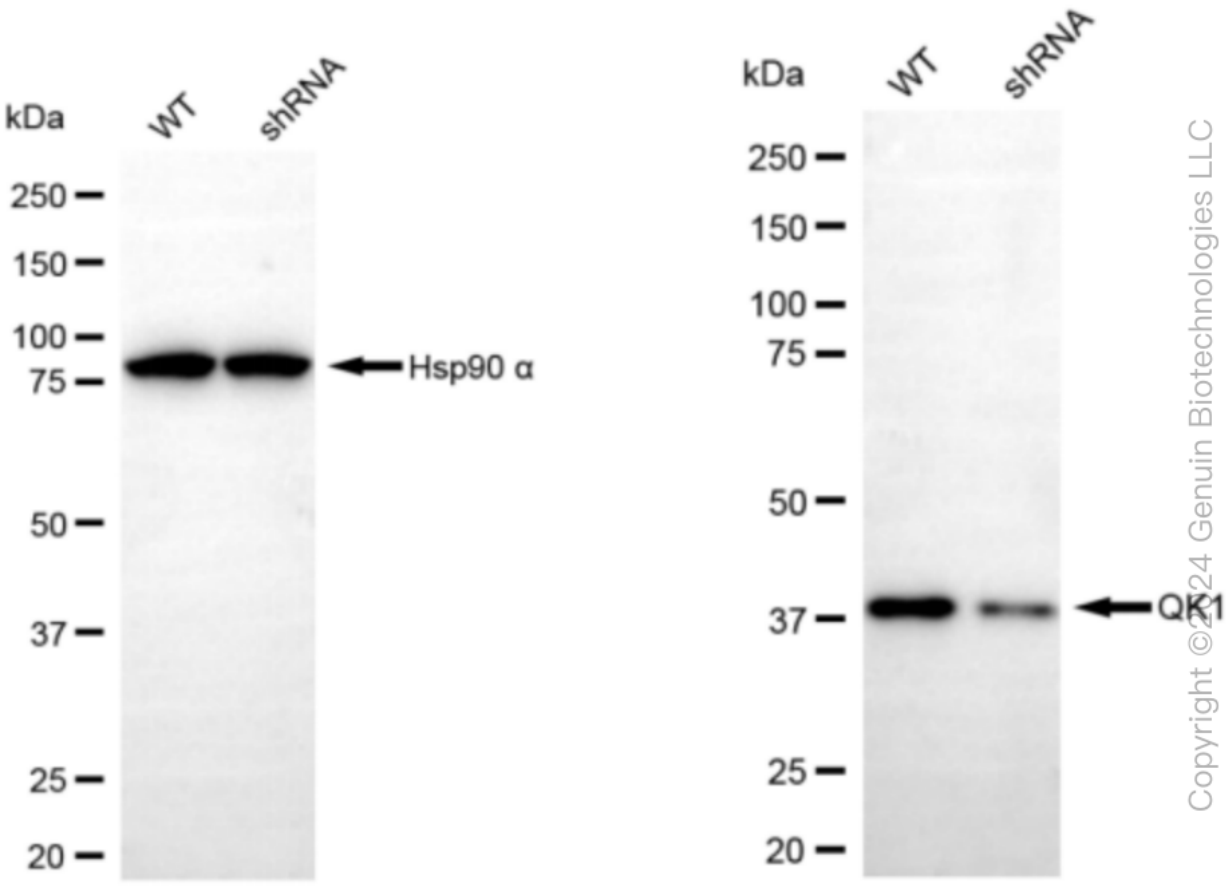
Validation Data

Human QKI Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	25.49
Knock-Down	26.73
ΔCt (Ct_{KD}-Ct_{WT})	1.24
% mRNA Reduction	⬇ 58%

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