Human MRPS26 Knockdown Cell Line (WB-Validated)

Catalog #: C65321

Aliases

MRPS26; Mitochondrial Ribosomal Protein S26; MRP-S13; MRP-S26; RPMS13; DJ534B8.3; C20orf193; MS26; 28S Ribosomal Protein S13, Mitochondrial; 28S Ribosomal Protein S26, Mitochondrial; Small Ribosomal Subunit Protein MS26; S13mt; S26mt; Serologically Defined Breast Cancer Antigen NY-BR-87; Mitochondrial Small Ribosomal Subunit Protein MS26; Chromosome 20 Open Reading Frame 193; NY-BR-87; MRPS13; GI008

Background

Gene Name: MRPS26
NCBI Gene Entry: 64949

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human MRPS26 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.

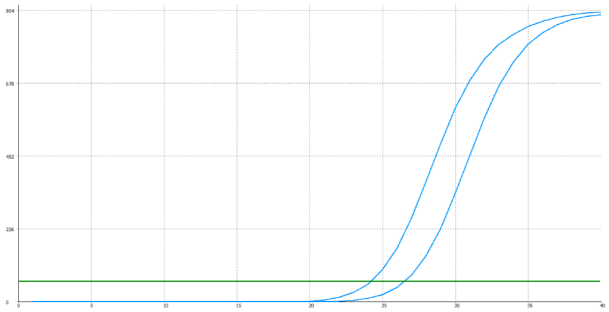
Instructions For Use

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

Note: This product is for research use only.

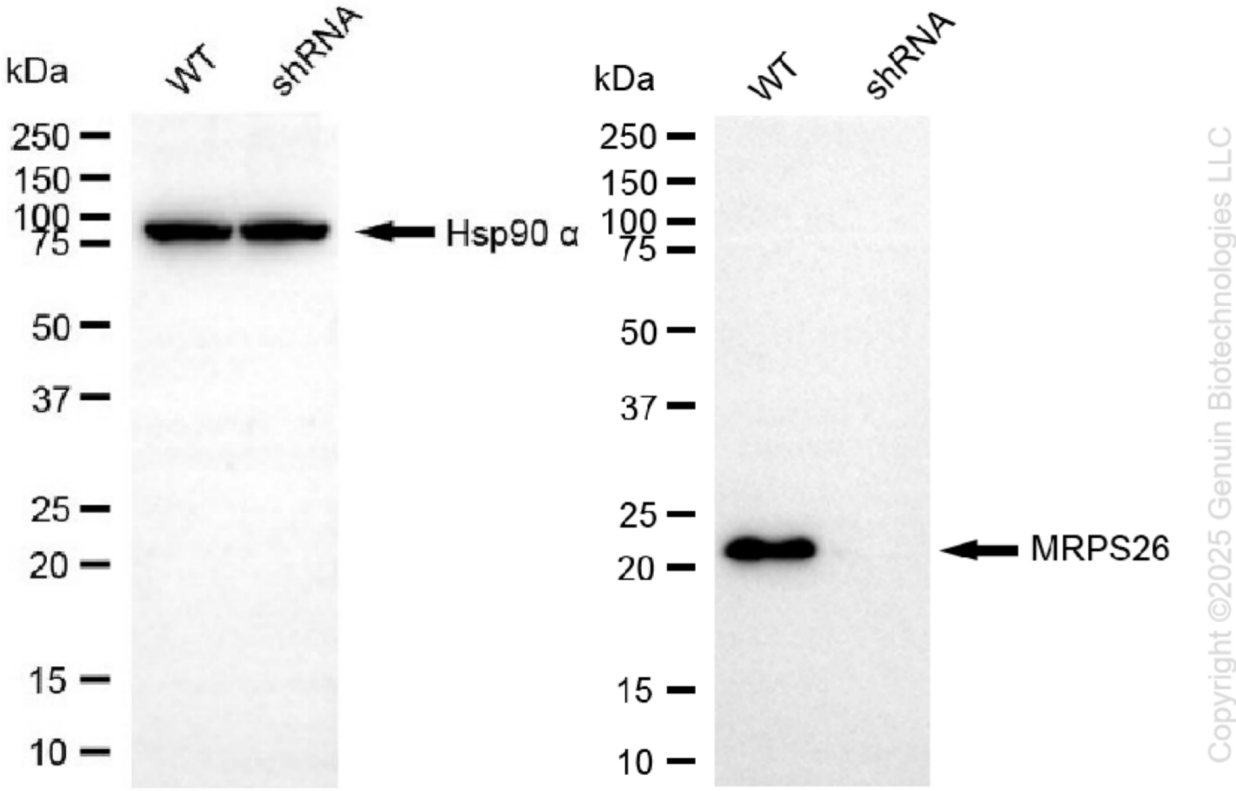
Validation Data

Human MRPS26 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	24.21
Knock-Down	26.49
ΔCt (Ct_{KD}-Ct_{WT})	2.28
% mRNA Reduction	⬇ 79%

RT-qPCR analysis. HeLa cells were infected with MRPS26-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.MRPS26 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 MRPS26 and Hsp90 α, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using NaQ™ ECL Substrate Kit.