Human SAMM50 Knockdown Cell Line (WB-Validated)

Catalog #: C62499

Aliases

SAMM50; SAMM50 Sorting And Assembly Machinery Component; TRG-3; SAM50; YNL026W; CGI-51; OMP85; TOB55; Sorting And Assembly Machinery Component 50 Homolog; Transformation-Related Gene 3 Protein; Sorting And Assembly Machinery Component 50 Homolog (S. Cerevisiae); Sorting And Assembly Machinery 50kDa

Background

Gene Name: SAMM50
NCBI Gene Entry: 25813

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human SAMM50 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.

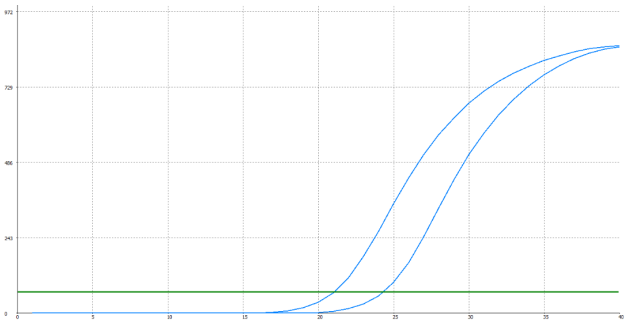
Instructions For Use

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

Note: This product is for research use only.

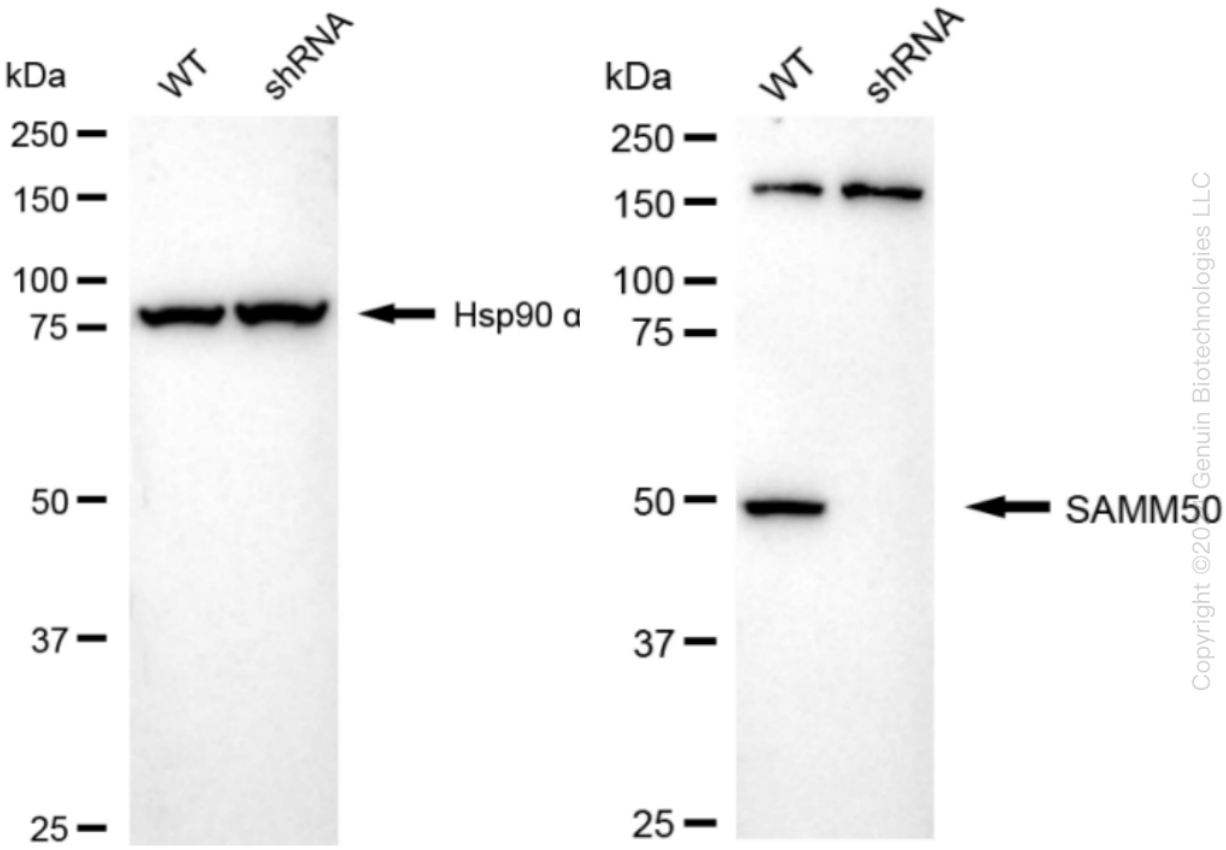
Validation Data

Human SAMM50 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	20.85
Knock-Down	24.11
ΔCt (Ct_{KD}-Ct_{WT})	3.26
% mRNA Reduction	⬇ 90%

RT-qPCR analysis. HeLa cells were infected with SAMM50-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. SAMM50 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 SAMM50 and Hsp90 α, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.