Human COPS3 Knockdown Cell Line (WB-Validated)

Catalog #: C61623

Aliases

COPS3; COP9 Signalosome Subunit 3; SGN3; CSN3; JAB1-Containing Signalosome Subunit 3; COP9 Signalosome Complex Subunit 3; Signalosome Subunit 3; COP9 (Constitutive Photomorphogenic, Arabidopsis, Homolog) Subunit 3; COP9 Constitutive Photomorphogenic Homolog Subunit 3 (Arabidopsis); COP9 Constitutive Photomorphogenic Homolog Subunit 3; COP9 Complex Subunit 3

Background

Gene Name: COPS3
NCBI Gene Entry: 8533

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human COPS3 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.

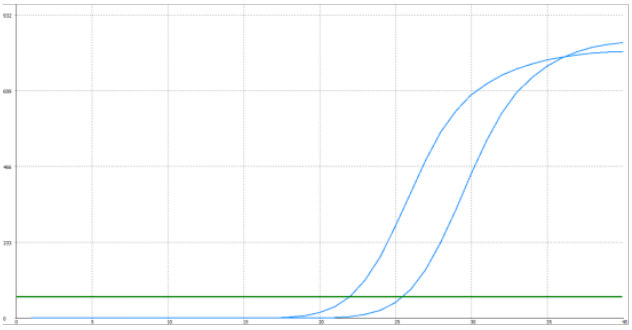
Instructions For Use

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

Note: This product is for research use only.

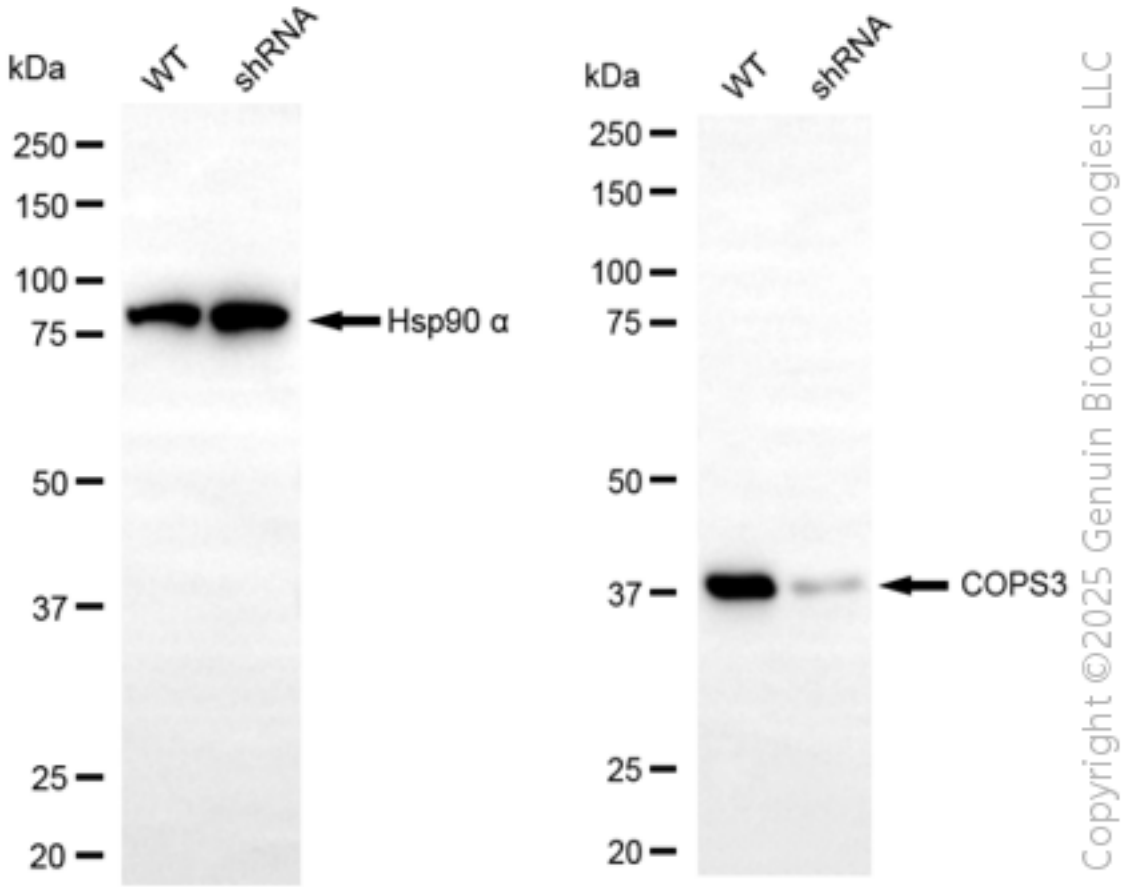
Validation Data

Human COPS3 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	21.75
Knock-Down	25.31
ΔCt (CtKD-CtWT)	3.56
% mRNA Reduction	92%

RT-qPCR analysis. HeLa cells were infected with COPS3-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%.



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Western blotting analysis. COPS3 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 COPS3 and Hsp90 α, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.