

Human OSBPL1A Knockdown Cell Line (WB-Validated)



Catalog #: C61685

Aliases

OSBPL1A; Oxysterol Binding Protein Like 1A; ORP-1; ORP1; OSBPL1B; Oxysterol-Binding Protein-Related Protein 1; Oxysterol Binding Protein-Like 1B; OSBP-Related Protein 1; Oxysterol Binding Protein-Like 1A; OSBPL1; OSBP8

Background

Gene Name: OSBPL1A

NCBI Gene Entry: [114876](#)

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human OSBPL1A 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
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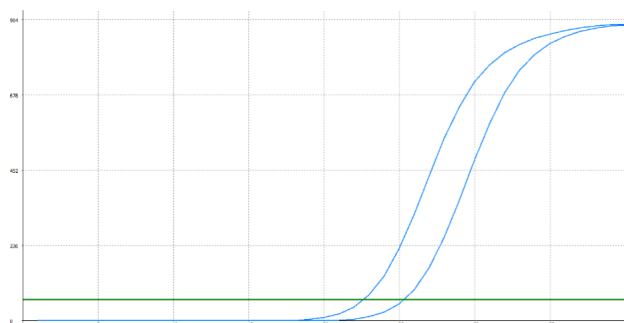
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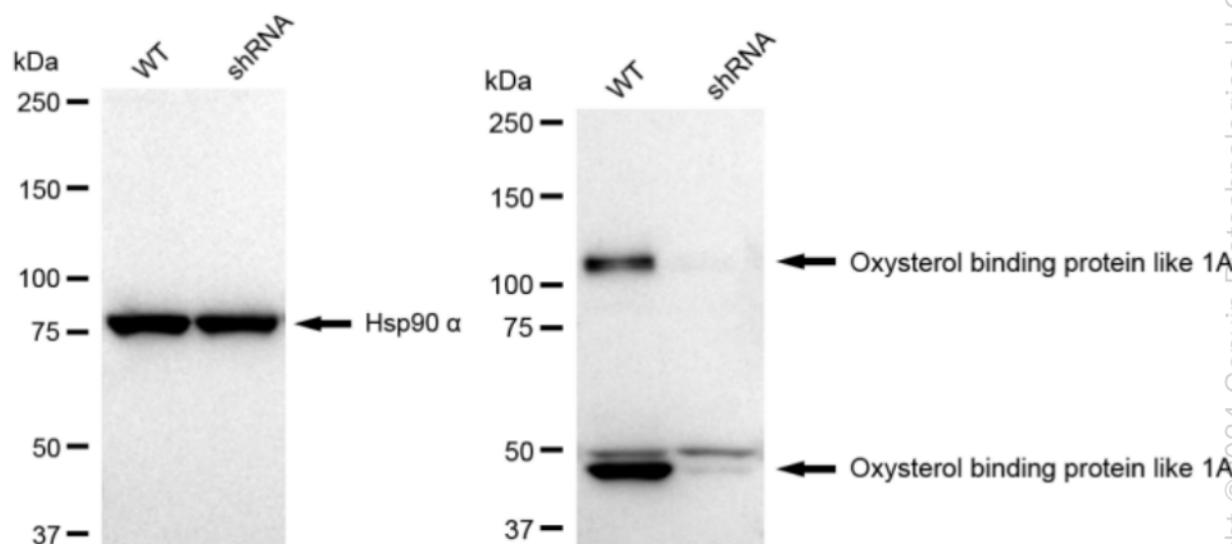
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Genotype	Ct Value
Wild-Type	22.62
Knock-Down	25.29
ΔCt ($Ct_{KD} - Ct_{WT}$)	2.67
% mRNA Reduction	↓ 84%

RT-qPCR analysis. HeLa cells were infected with OSBPL1A-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. ΔCt ($Ct_{KD} - Ct_{WT}$) 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. OSBPL1A 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#61685, 1:5,000) against OSBPL1A 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).

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