Human LOXL2 Knockdown Cell Line (WB-Validated)

Catalog #: C61481

Aliases

LOXL2; Lysyl Oxidase Like 2; WS9-14; LOR; Lysyl Oxidase-Related Protein WS9-14; Lysyl Oxidase-Related Protein 2; Lysyl Oxidase-Like Protein 2; Lysyl Oxidase Homolog 2; Lysyl Oxidase-Like 2 Delta E13; Lysyl Oxidase-Like 2 Protein; Lysyl Oxidase Related 2; Lysyl Oxidase-Like 2; EC 1.4.3.13; EC 1.4.3; LOR2

Background

Gene Name: LOXL2
NCBI Gene Entry: 4017

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human LOXL2 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.

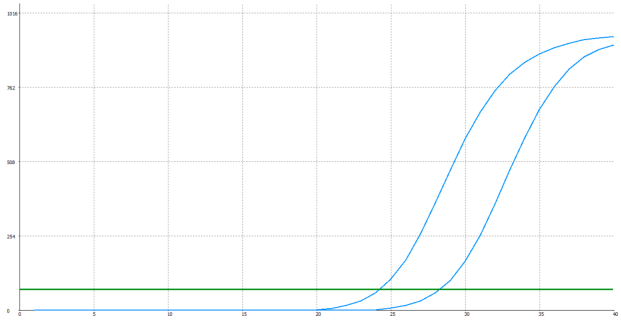
Instructions For Use

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

Note: This product is for research use only.

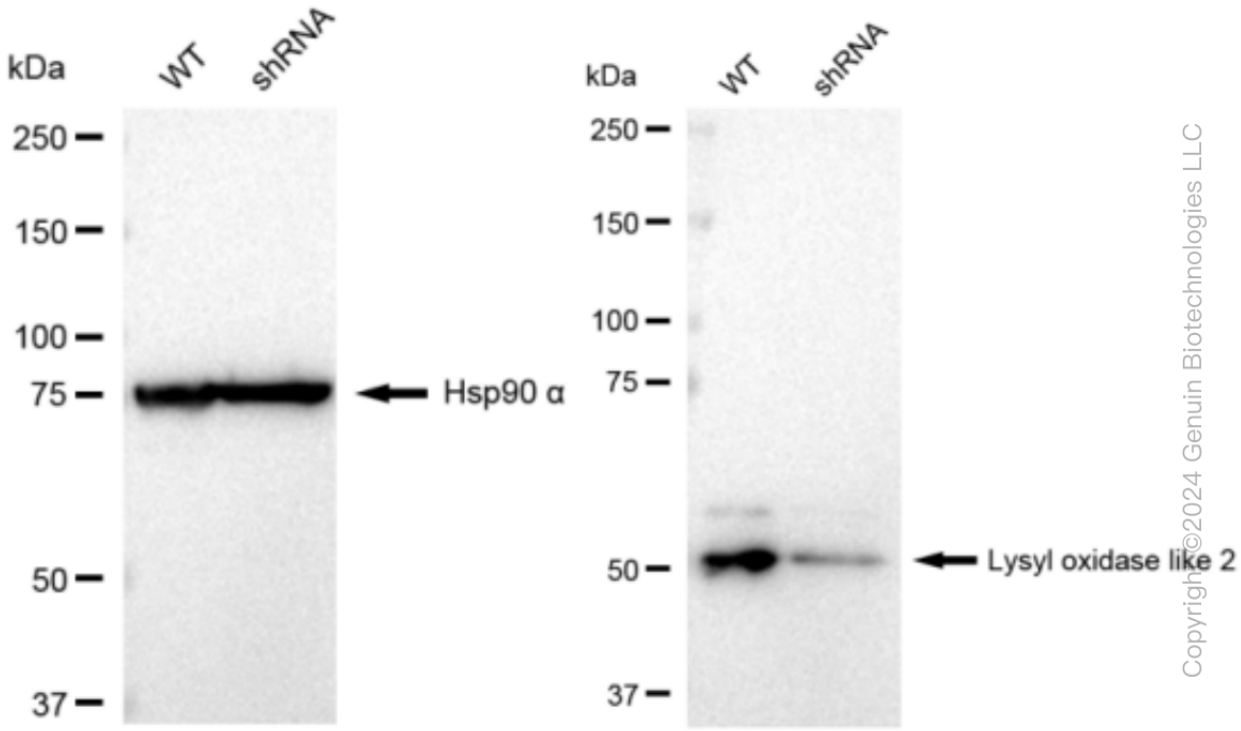
Validation Data

Human LOXL2 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	24.12
Knock-Down	28.12
ΔCt (Ct_{KD}-Ct_{WT})	4.00
% mRNA Reduction	⬇ 94%

RT-qPCR analysis. HeLa cells were infected with LOXL2-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. LOXL2 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 LOXL2 and Hsp90 α, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.