Human USP9X Knockdown Cell Line (WB-Validated)

Catalog #: C61180

Aliases

USP9X; Ubiquitin Specific Peptidase 9 X-Linked; DFFRX; FAF-X; MRX99; FAF; Ubiquitin Specific Protease 9, X Chromosome (Fat Facets-Like Drosophila); Probable Ubiquitin Carboxyl-Terminal Hydrolase FAF-X; Ubiquitin-Specific Protease 9, X Chromosome; Ubiquitin Carboxyl-Terminal Hydrolase 9X ; Deubiquitinating Enzyme FAF-X; Ubiquitin Thioesterase FAF-X; Fat Facets-Like, X-Linked; Fat Facets In Mammals; HFAM; FAM; Ubiquitin Specific Peptidase 9, X-Linked (Fat Facets-Like, Drosophila); Ubiquitin Specific Protease 9, X-Linked (Fat Facets-Like, Drosophila); Probable Ubiquitin Carboxyl-Terminal Hydrolase FAF-X; Ubiquitin-Specific Processing Protease FAF-X; Ubiquitin-Specific-Processing Protease FAF-X; Drosophila Fat Facets Related, X-Linked; Fat Facets Protein Related, X-Linked; Fat Facets Protein-Related, X-Linked; Ubiquitin Thiolesterase FAF-X; EC 3.4.19.12; EC 3.1.2.15; MRXS99F; XLID99; USP9

Background

Gene Name: USP9X
NCBI Gene Entry: 8239

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human USP9X 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.

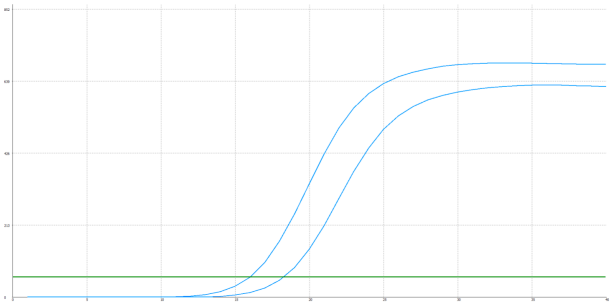
Instructions For Use

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

Human USP9X Knockdown Cell Line (WB-Validated)

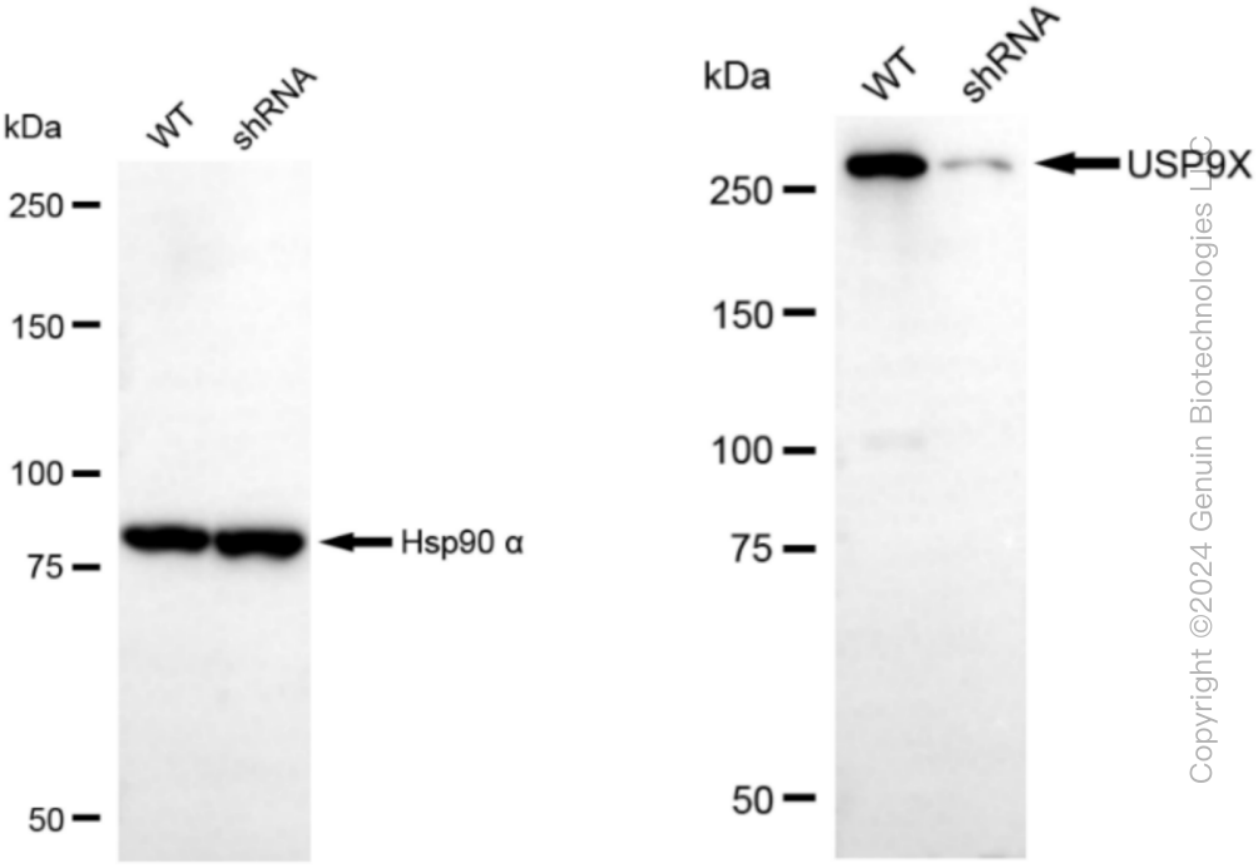
Note: This product is for research use only.

Validation Data



Genotype	Ct Value
Wild-Type	15.63
Knock-Down	17.78
ΔCt (Ct_{KD}-Ct_{WT})	2.15
% mRNA Reduction	⬇ 77%

RT-qPCR analysis. HeLa cells were infected with USP9X-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. USP9X 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 USP9X and Hsp90 α, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed

using FeQ™ ECL Substrate Kit.