Human ENOPH1 Knockdown Cell Line (WB-Validated)

Catalog #: C61869

Aliases

ENOPH1; Enolase-Phosphatase 1; MASA; Enolase-Phosphatase E1; MtnC; E1; 2,3-Diketo-5-Methylthio-1-Phosphopentane Phosphatase; Acireductone Synthase; EC 3.1.3.77; MASA Homolog; MST145

Background

Gene Name: ENOPH1
NCBI Gene Entry: 58478

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human ENOPH1 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.

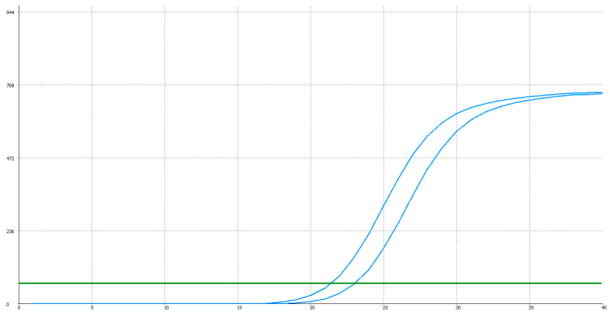
Instructions For Use

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

Note: This product is for research use only.

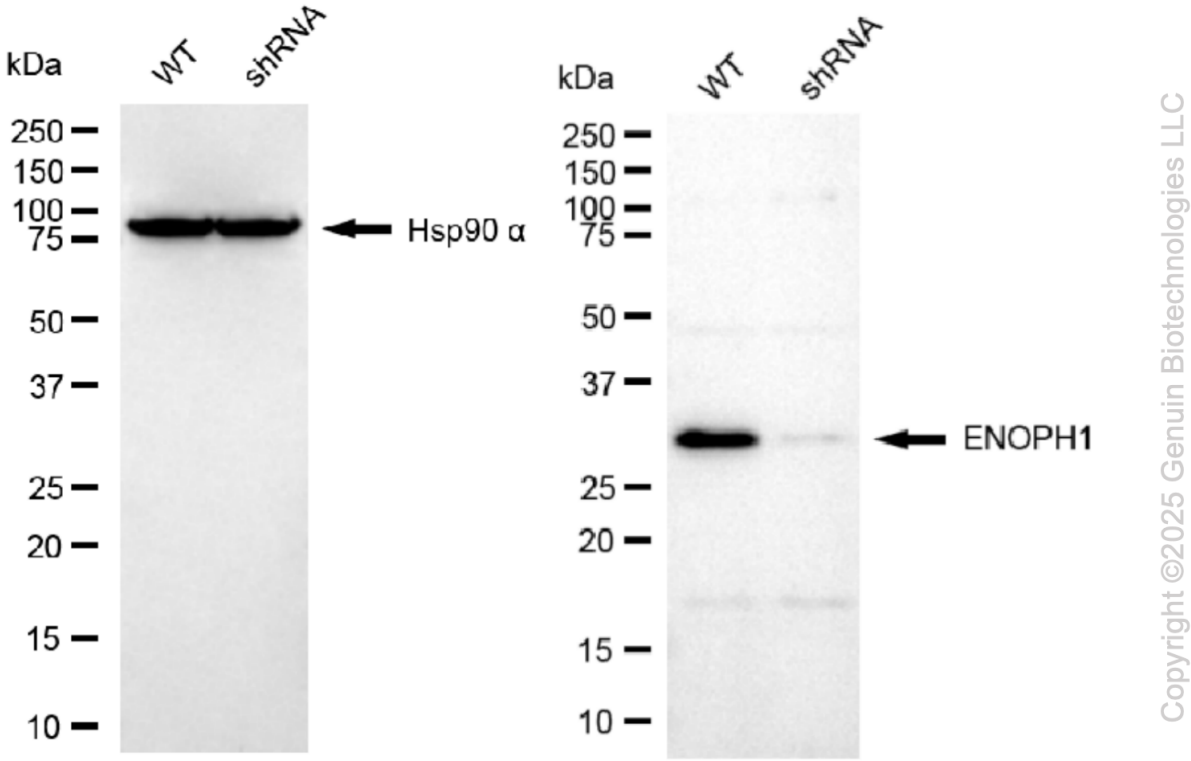
Validation Data

Human ENOPH1 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	20.90
Knock-Down	22.48
ΔCt (Ct_{KD}-Ct_{WT})	1.58
% mRNA Reduction	⬇ 67%

RT-qPCR analysis. HeLa cells were infected with ENOPH1-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.ENOPH1 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 ENOPH1 and Hsp90 α, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.