Human GSTZ1 Knockdown Cell Line (WB-Validated)

Catalog #: C64825

Aliases

GSTZ1; Glutathione S-Transferase Zeta 1; GSTZ1-1; MAAI; Maleylacetoacetate Isomerase; MAI; Glutathione Transferase Zeta 1; S-(Hydroxyalkyl)Glutathione Lyase; Glutathione S-Aralkyltransferase; Glutathione S-Alkyltransferase; Glutathione S-Aryltransferase; Maleylacetone Isomerase; EC 2.5.1.18; EC 5.2.1.2; MAAID

Background

Gene Name: GSTZ1
NCBI Gene Entry: 2954

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human GSTZ1 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.

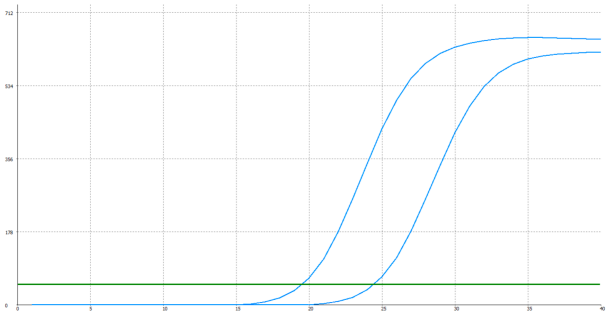
Instructions For Use

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

Note: This product is for research use only.

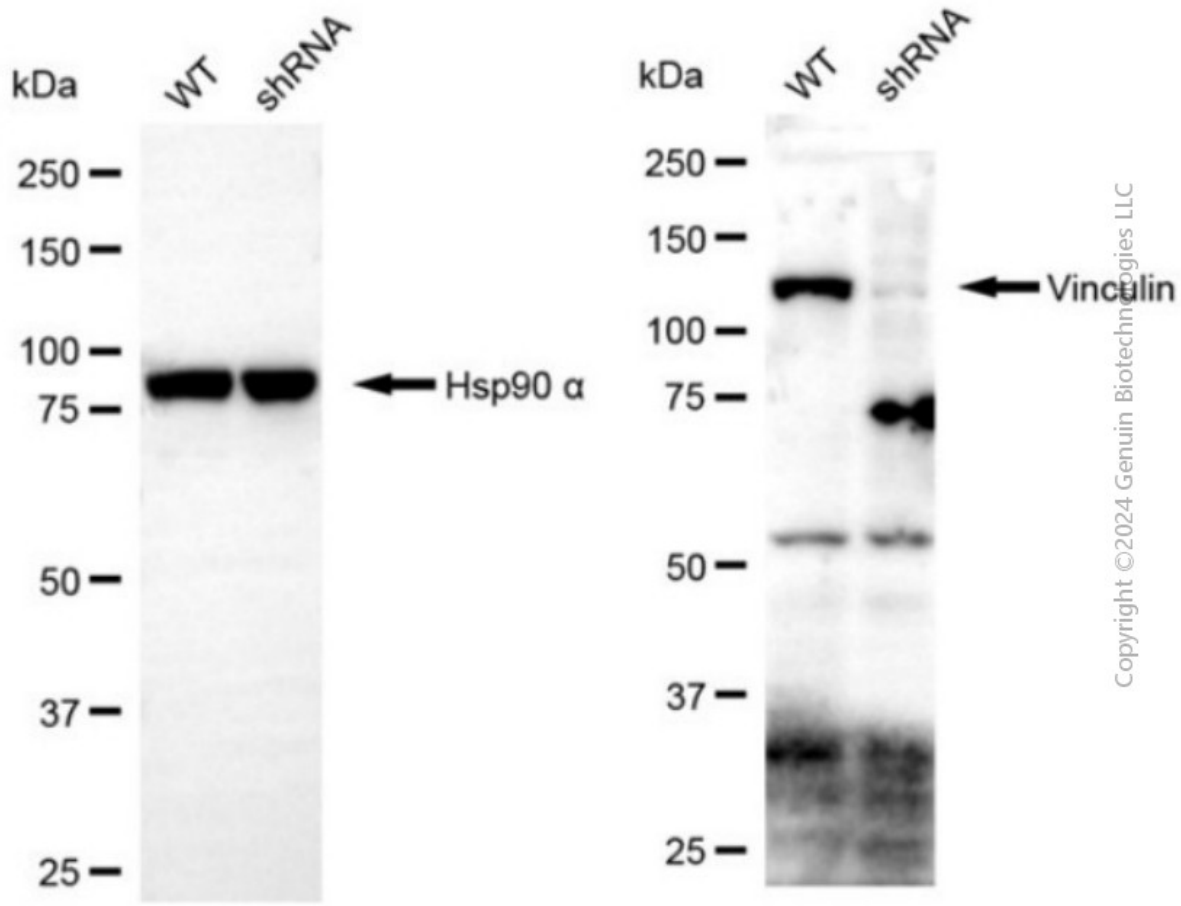
Validation Data

Human GSTZ1 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	19.37
Knock-Down	24.21
ΔCt (Ct_{KD}-Ct_{WT})	4.84
% mRNA Reduction	⬇ 97%

RT-qPCR analysis. HeLa cells were infected with GSTZ1-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. GSTZ1 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 GSTZ1 and Hsp90 α, respectively, followed by incubating with HRP-conjugated goat anti-mouse secondary antibody. Images were developed

using FeQ™ ECL Substrate Kit.