Human DDOST Knockdown Cell Line (WB-Validated)

Catalog #: C63861

Aliases

DDOST; Dolichyl-Diphosphooligosaccharide--Protein Glycosyltransferase Non-Catalytic Subunit; OST48; KIAA0115; WBP1; OST; Dolichyl-Diphosphooligosaccharide--Protein Glycosyltransferase 48 KDa Subunit; Advanced Glycation End-Product Receptor 1; Oligosaccharyl Transferase 48 KDa Subunit; Oligosaccharyltransferase Subunit 48; Dolichyl-Diphosphooligosaccharide--Protein Glycosyltransferase Subunit (Non-Catalytic); Dolichyl-Diphosphooligosaccharide-Protein Glycosyltransferase; Dolichyl-Diphosphooligosaccharide-Protein Glycotransferase; Advanced Glycation Endproduct Receptor 1; Oligosaccharyltransferase 48 KDa Subunit; DDOST 48 KDa Subunit; EC 2.4.1.119; OKSWcl45; AGER1; CDG1R; GATD6

Background

Gene Name: DDOST
NCBI Gene Entry: 1650

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human DDOST 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.

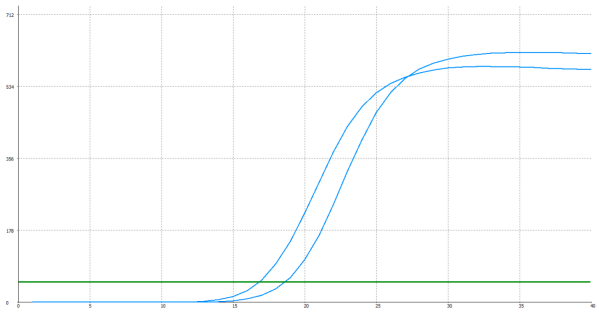
Instructions For Use

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

Note: This product is for research use only.

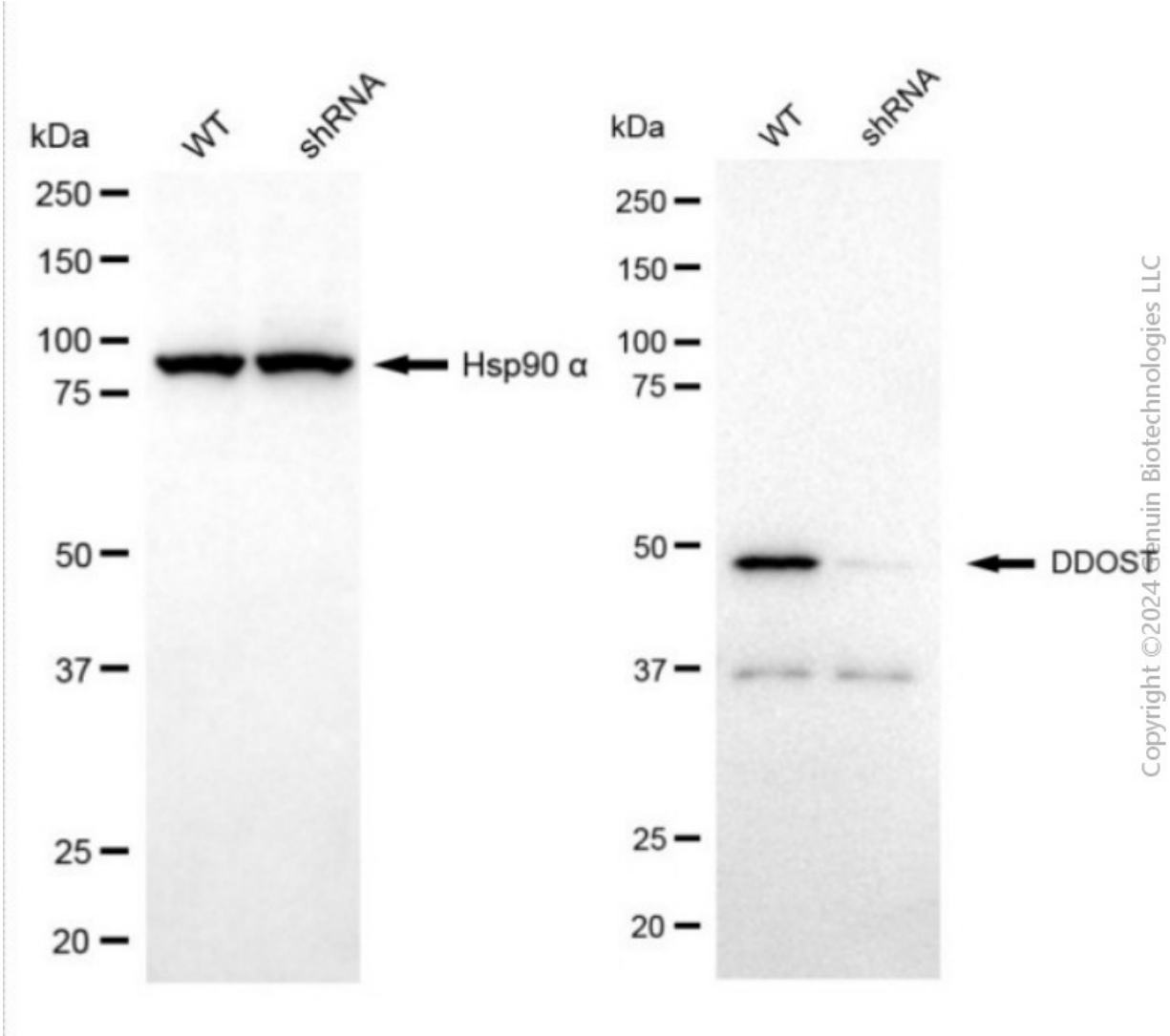
Validation Data

Human DDOST Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	16.47
Knock-Down	18.37
ΔCt (Ct_{KD}-Ct_{WT})	1.9
% mRNA Reduction	⬇ 73%

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