

Human UNG Knockdown Cell Line (WB-Validated)



Catalog #: C62737

Aliases

UNG; Uracil DNA Glycosylase; UNG1; UDG; HIGM4; UNG2; DGU; Uracil-DNA Glycosylase 1, Uracil-DNA Glycosylase 2; Uracil-DNA Glycosylase; UNG15; EC 3.2.2.27; EC 3.2.2; HIGM5

Background

Gene Name: UNG

NCBI Gene Entry: [7374](#)

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human UNG 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

SUPPORT

SUPPORT@GENUINBIOTECH.COM
TEL: +1-540-855-7041

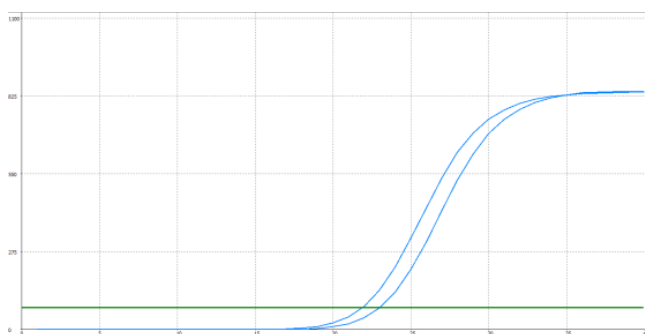
ORDERS

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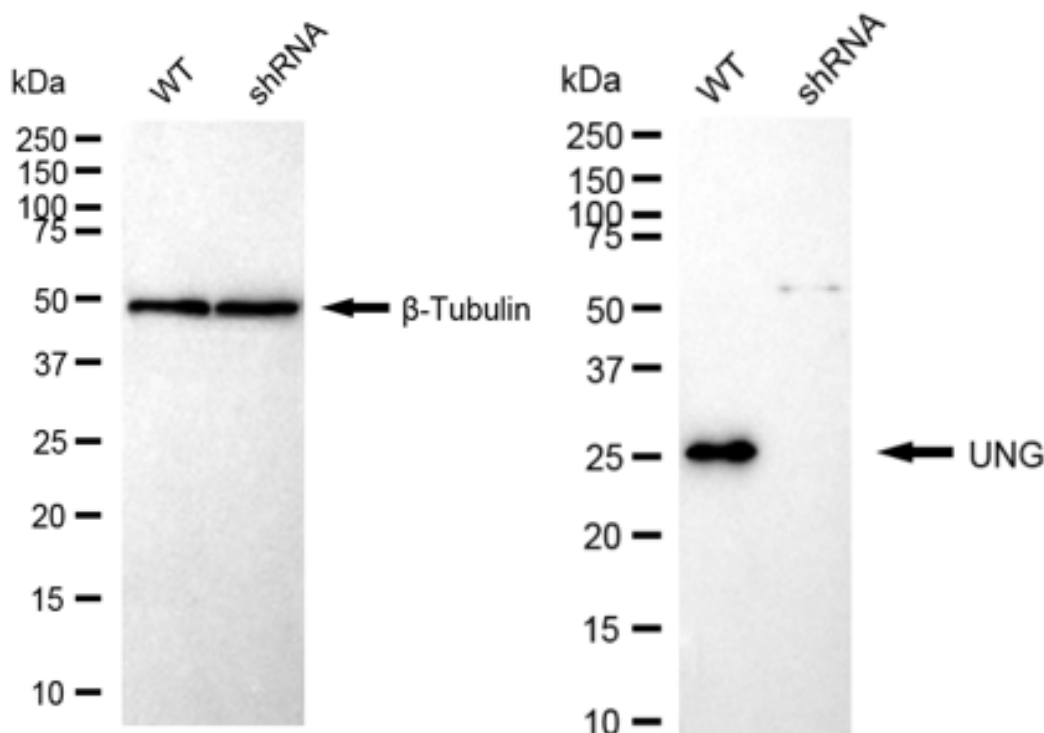
PAGE 2



| Genotype | Ct Value |
|-------------------------|----------|
| Wild-Type | 21.41 |
| Knock-Down | 22.52 |
| ΔCt (CtKD-CtWT) | 1.11 |
| % mRNA Reduction | 54% |

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RT-qPCR analysis. HeLa cells were infected with UNG-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: $(1 - 1/2^{\Delta Ct}) \times 100\%$.



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Western blotting analysis. UNG protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting. β -Tubulin served as a loading control. The blots were incubated with primary antibodies against UNG and β -Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.

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