Human PAICS Knockdown Cell Line (WB-Validated)



Catalog #: C64841

Aliases

PAICS; Phosphoribosylaminoimidazole Carboxylase And

Phosphoribosylaminoimidazole Carboxylase/Phosphoribosylaminoimidazole Succinocarboxamide Synthetase; Phosphoribosylaminoimidazole Carboxylase, Phosphoribosylaminoimidazole Succinocarboxamide Synthetase; ADE2; Phosphoribosylaminoimidazole Carboxylase; Phosphoribosylaminoimidazole Carboxylase; Phosphoribosylaminoimidazolesuccinocarboxamide Synthase; Multifunctional Protein ADE2H1; Multifunctional Protein ADE2; SAICAR Synthetase; AIR Carboxylase; PAICSD; AIRC

Background

Gene Name: PAICS

NCBI Gene Entry: 10606

Storage

Store at liquid nitrogen for 1 year.

Kit Components

- 1. Human PAICS 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

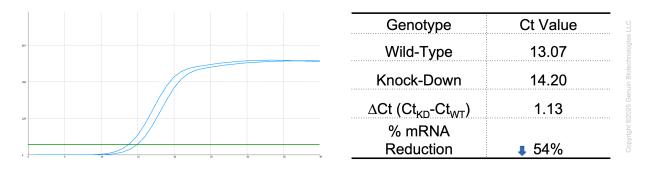
Shipped on Dry Ice.

Instructions For Use

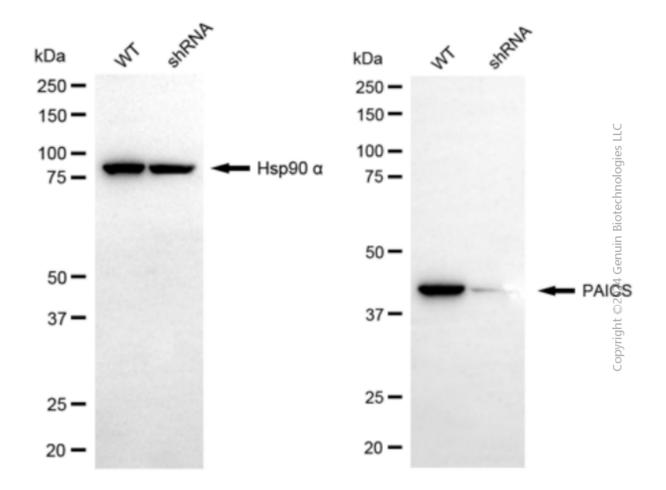
This knockdown cell line should be paired with wild-type cell line for use.

Note: This product is for research use only.

Validation Data



RT-qPCR analysis. HeLa cells were infected with PAICS-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. Δ Ct (CtKD-CtWT) was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: $(1-1/2\Delta$ Ct) x 100%.



Western blotting analysis. PAICS 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 PAICS and Hsp90 α , respectively, followed by incubating with HRP-conjugated goat anti-mouse secondary antibody. Images were developed using FeQTM ECL Substrate Kit.

Human PAICS Knockdown Cell Line (WB-Validated)