Human PAFAH1B1 Knockdown Cell Line (WB-Validated)

Catalog #: C61494

Aliases

PAFAH1B1; Platelet Activating Factor Acetylhydrolase 1b Regulatory Subunit 1; LIS1; PAFAH; MDCR; MDS; Platelet-Activating Factor Acetylhydrolase 1b, Regulatory Subunit 1 (45kDa); Platelet-Activating Factor Acetylhydrolase IB Subunit Beta; NudF; Platelet-Activating Factor Acetylhydrolase, Isoform Ib, Alpha Subunit (45kD); Platelet-Activating Factor Acetylhydrolase, Isoform Ib, Alpha Subunit 45kDa; Platelet-Activating Factor Acetylhydrolase, Isoform Ib, Subunit 1 (45kDa); Miller-Dieker Syndrome Chromosome Region; PAF Acetylhydrolase 45 KDa Subunit; Lissencephaly 1 Protein; Lissencephaly-1 Protein; PAF-AH 45 KDa Subunit; Lissencephaly-1; PAF-AH Alpha; PAFAH Alpha; PAFAHA; LIS-1; LIS2; NUDF

Background

Gene Name: PAFAH1B1
NCBI Gene Entry: 5048

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human PAFAH1B1 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.

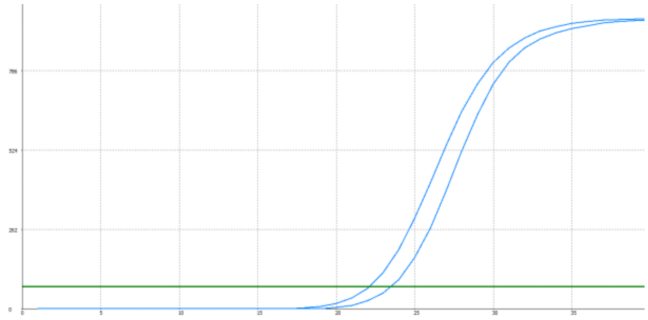
Instructions For Use

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

Note: This product is for research use only.

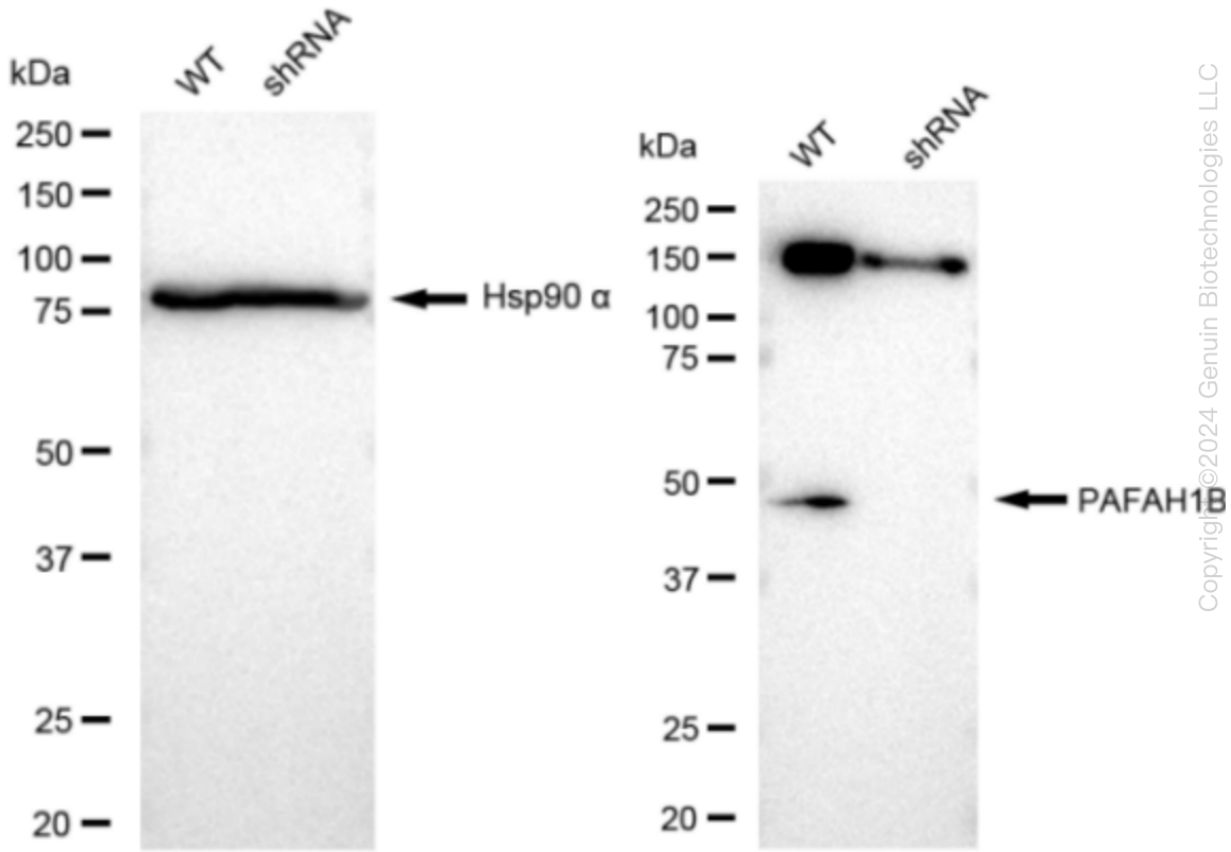
Validation Data

Human PAFAH1B1 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	22.00
Knock-Down	23.34
ΔCt (Ct_{KD}-Ct_{WT})	1.34
% mRNA Reduction	⬇ 61%

RT-qPCR analysis. HeLa cells were infected with PAFAH1B1-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. PAFAH1B1 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 (Cat#61494, 1:5,000) against PAFAH1B1 and Hsp90 α , respectively, followed by incubating with HRP-conjugated goat anti-

rabbit secondary antibody (Cat#201, 1:20,000). Images were developed using FeQ™ ECL Substrate Kit (Cat#226).