Human NAE1 Knockdown Cell Line (WB-Validated)

Catalog #: C64857

Aliases

NAE1; NEDD8 Activating Enzyme E1 Subunit 1; APP-BP1; APPBP1; Ula-1; Amyloid Beta Precursor Protein-Binding Protein 1, 59 KDa ; Amyloid Beta Precursor Protein Binding Protein 1, 59kDa; NEDD8-Activating Enzyme E1 Regulatory Subunit; Amyloid Protein-Binding Protein 1; Proto-Oncogene Protein 1; Amyloid Beta Precursor Protein-Binding Protein 1, 59kD; NEDD8-Activating Enzyme E1 Subunit; Protooncogene Protein 1; A-116A10.1; NEDFIH; HPP1

Background

Gene Name: NAE1
NCBI Gene Entry: 8883

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human NAE1 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.

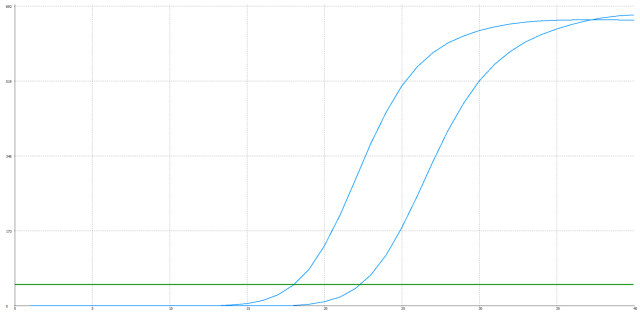
Instructions For Use

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

Note: This product is for research use only.

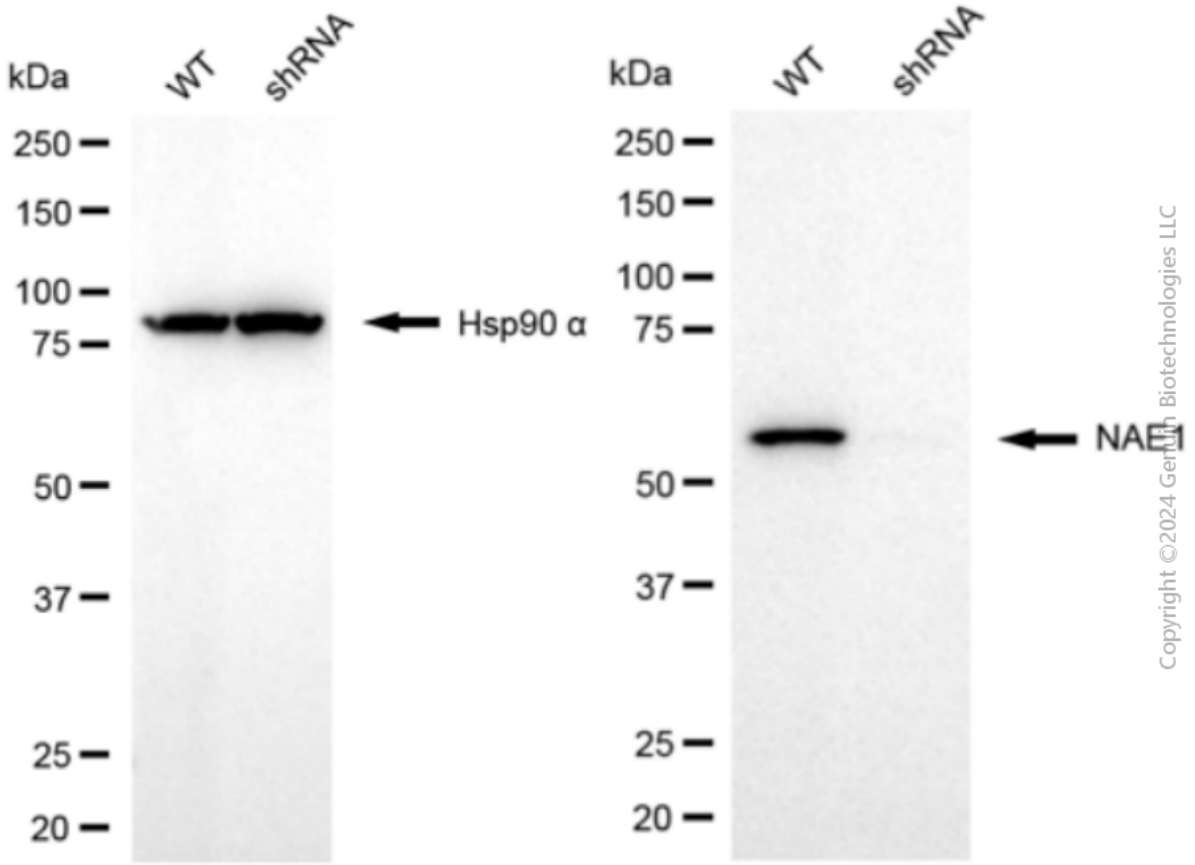
Validation Data

Human NAE1 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	17.97
Knock-Down	22.26
$\Delta Ct\ (Ct_{KD}\text{-}Ct_{WT})$	4.29
% mRNA Reduction	⬇ 95%

RT-qPCR analysis. HeLa cells were infected with MYH9-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. NAE1 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 NAE1 and Hsp90 α, respectively, followed by incubating with HRP-conjugated goat anti-mouse secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.