

# Human EEA1 Knockdown Cell Line (WB-Validated)



**Catalog #: C61949**

## Aliases

EEA1; Early Endosome Antigen 1; ZFYVE2; Zinc Finger FYVE Domain-Containing Protein; Endosome-Associated Protein P162; Early Endosome Antigen 1, 162kD; Early Endosome-Associated Protein; MSTP105; MST105

## Background

Gene Name: EEA1

NCBI Gene Entry: [8411](#)

## Storage

Store at liquid nitrogen for 1 year.

## Kit Components

1. Human EEA1 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

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### SUPPORT

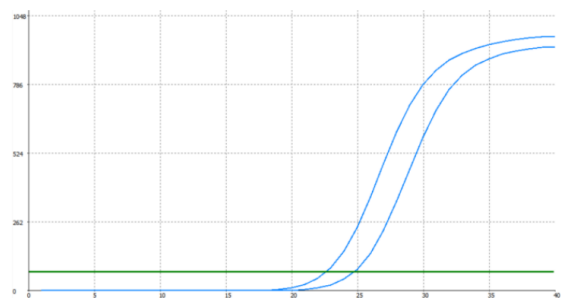
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### ORDERS

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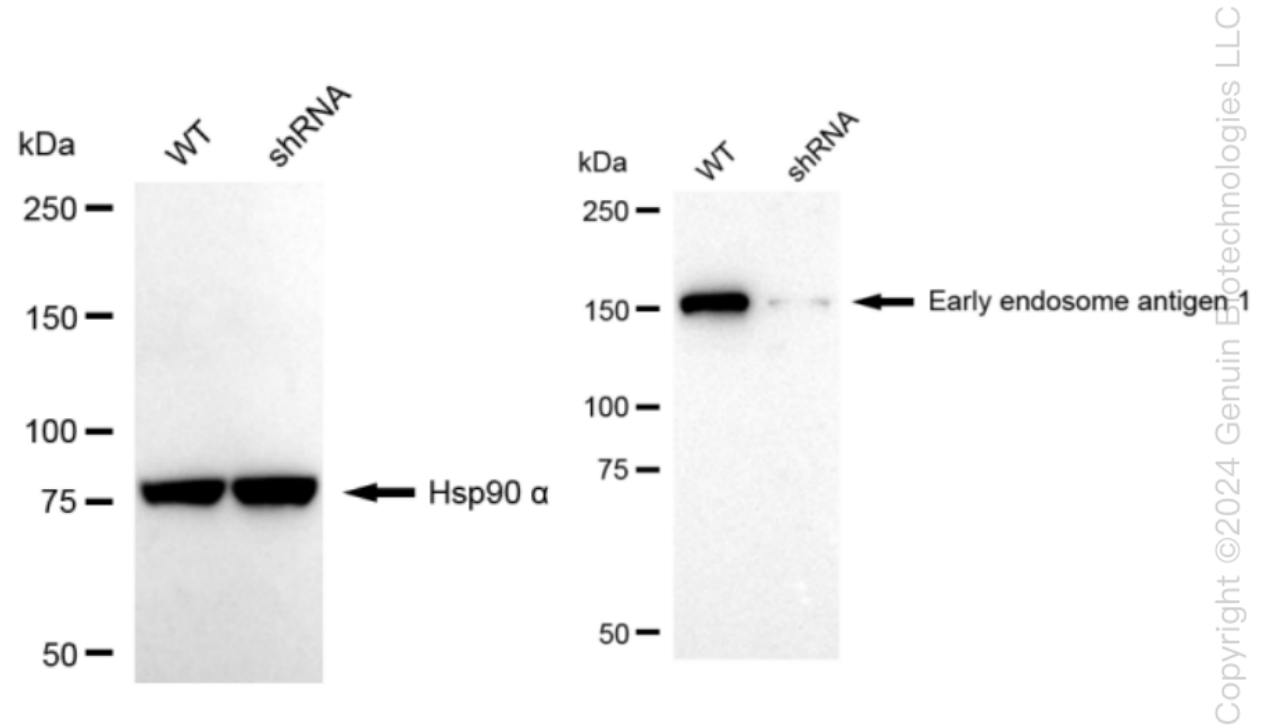
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Genotype	Ct Value
Wild-Type	22.53
Knock-Down	24.58
$\Delta Ct (Ct_{KD}-Ct_{WT})$	2.05
% mRNA Reduction	↓ 76%

RT-qPCR analysis. HT-1080 cells were infected with EEA1-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers.  $\Delta Ct (Ct_{KD}-Ct_{WT})$  was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula:  $(1-1/2^{\Delta Ct}) \times 100\%$ .



Western blotting analysis. EEA1 protein expression in wild-type (WT) and shRNA knockdown (KD) HT1080 cells was detected using Western blotting. Hsp90  $\alpha$  served as a loading control. The blots were incubated with primary antibodies (Cat#61949, 1:5,000) against EEA1 and Hsp90  $\alpha$ , 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).

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