Human EFNA1 Knockdown Cell Line (WB-Validated)

Catalog #: C61950

Aliases

EFNA1; Ephrin A1; LERK1; Ephrin-A1; TNFAIP4; ECKLG; EPLG1; GMAN ; Gastric Cancer Metastasis Associated Long Noncoding RNA; EPH-Related Receptor Tyrosine Kinase Ligand 1; Tumor Necrosis Factor Alpha-Induced Protein 4; Immediate Early Response Protein B61; TNF Alpha-Induced Protein 4; LERK-1; Tumor Necrosis Factor, Alpha-Induced Protein 4; Eph-Related Receptor Tyrosine Kinase Ligand 1; Epididymis Secretory Sperm Binding Protein; Ligand Of Eph-Related Kinase 1; EFL1; B61

Background

Gene Name: EFNA1
NCBI Gene Entry: 1942

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human EFNA1 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.

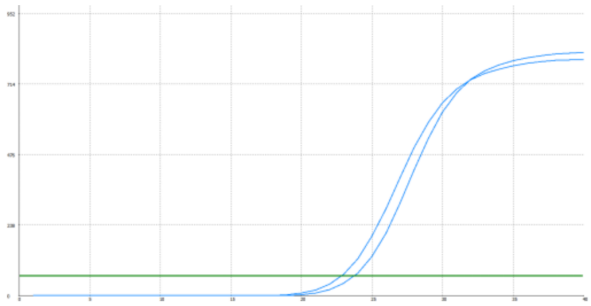
Instructions For Use

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

Note: This product is for research use only.

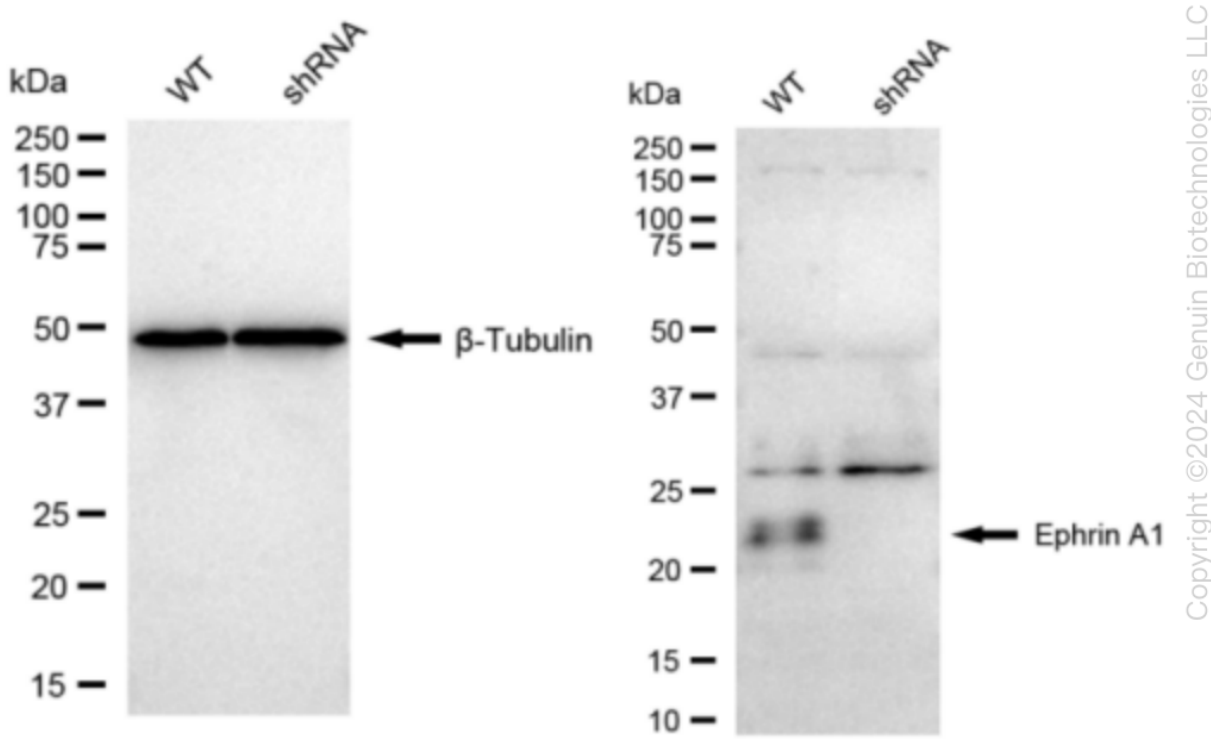
Validation Data

Human EFNA1 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	22.55
Knock-Down	23.49
ΔCt (Ct_{KD}-Ct_{WT})	0.94
% mRNA Reduction	⬇ 48%

RT-qPCR analysis. HeLa cells were infected with EFNA1-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. EFNA1 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 (Cat#61950, 1:5,000) against EFNA1 and β-Tubulin, 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).