

Resource Summary Report

Generated by [RRID](#) on Aug 22, 2026

pcDNA3.1 - HA-KLF4 FL

RRID:Addgene_34593

Type: Plasmid

Proper Citation

RRID:Addgene_34593

Plasmid Information

URL: <http://www.addgene.org/34593>

Proper Citation: RRID:Addgene_34593

Insert Name: KLF4

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:21518959](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5428; Vector Backbone:pcDNA3.1+; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pcDNA3.1 - HA-KLF4 FL

Record Creation Time: 20220422T222147+0000

Record Last Update: 20260815T081353+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3.1 - HA-KLF4 FL.

No alerts have been found for pcDNA3.1 - HA-KLF4 FL.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 15 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Lee J, et al. (2026) Krüppel-like factor 4 regulates extravillous trophoblast invasion and angiogenic function and is reduced in gestational diabetes mellitus. *Placenta*, 179, 31.

Lin CI, et al. (2022) Kaposi's Sarcoma-Associated Herpesvirus ORF50 Protein Represses Cellular MDM2 Expression via Suppressing the Sp1- and p53-Mediated Transactivation. *International journal of molecular sciences*, 23(15).

Zhou H, et al. (2022) Epithelial-mesenchymal reprogramming by KLF4-regulated Rictor expression contributes to metastasis of non-small cell lung cancer cells. *International journal of biological sciences*, 18(13), 4869.

Van Sciver N, et al. (2021) Hippo signaling effectors YAP and TAZ induce Epstein-Barr Virus (EBV) lytic reactivation through TEADs in epithelial cells. *PLoS pathogens*, 17(8), e1009783.

Yang F, et al. (2021) SPINDOC binds PARP1 to facilitate PARylation. *Nature communications*, 12(1), 6362.

Kotarba G, et al. (2021) Transcription factors Krüppel-like factor 4 and paired box 5 regulate the expression of the Grainyhead-like genes. *PloS one*, 16(9), e0257977.

Shao L, et al. (2019) Helicobacter pylori-induced miR-135b-5p promotes cisplatin resistance in gastric cancer. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 33(1), 264.

Chang YJ, et al. (2019) Extracellular MicroRNA-92a Mediates Endothelial Cell-Macrophage Communication. *Arteriosclerosis, thrombosis, and vascular biology*, 39(12), 2492.

Tang RZ, et al. (2019) DNA methyltransferase 1 and Krüppel-like factor 4 axis regulates macrophage inflammation and atherosclerosis. *Journal of molecular and cellular cardiology*, 128, 11.

Shi L, et al. (2018) A SIRT1-centered circuitry regulates breast cancer stemness and metastasis. *Oncogene*, 37(49), 6299.

Sahu SK, et al. (2017) MicroRNA 26a (miR-26a)/KLF4 and CREB-C/EBP β regulate innate immune signaling, the polarization of macrophages and the trafficking of Mycobacterium tuberculosis to lysosomes during infection. *PLoS pathogens*, 13(5), e1006410.

Nawandar DM, et al. (2017) Differentiation-Dependent LMP1 Expression Is Required for Efficient Lytic Epstein-Barr Virus Reactivation in Epithelial Cells. *Journal of virology*, 91(8).

Men R, et al. (2017) MicroRNA-145 promotes activation of hepatic stellate cells via targeting krüppel-like factor 4. *Scientific reports*, 7, 40468.

Nawandar DM, et al. (2015) Differentiation-Dependent KLF4 Expression Promotes Lytic Epstein-Barr Virus Infection in Epithelial Cells. *PLoS pathogens*, 11(10), e1005195.

Stadthagen G, et al. (2013) Loss of miR-10a activates lpo and collaborates with activated Wnt signaling in inducing intestinal neoplasia in female mice. PLoS genetics, 9(10), e1003913.