

Resource Summary Report

Generated by [RRID](#) on Aug 26, 2026

[pLM-mCherry-Klf4](#)

RRID:Addgene_23243

Type: Plasmid

Proper Citation

RRID:Addgene_23243

Plasmid Information

URL: <http://www.addgene.org/23243>

Proper Citation: RRID:Addgene_23243

Insert Name: mCherry_2A_KLF4

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:19549847](#)

Vector Backbone Description: Backbone Size:6655; Vector Backbone:N/A; Vector Types:Lentiviral; Bacterial Resistance:Ampicillin

Plasmid Name: pLM-mCherry-Klf4

Record Creation Time: 20220422T222103+0000

Record Last Update: 20260815T081218+0000

Ratings and Alerts

No rating or validation information has been found for pLM-mCherry-Klf4.

No alerts have been found for pLM-mCherry-Klf4.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Zhang YF, et al. (2024) A proteomic atlas of glypican-3 interacting partners: Identification of alpha-fetoprotein and other extracellular proteins as potential immunotherapy targets in liver cancer. *Proteoglycan research*, 2(4).

Penke LR, et al. (2022) KLF4 is a therapeutically tractable brake on fibroblast activation that promotes resolution of pulmonary fibrosis. *JCI insight*, 7(16).

Karagonlar ZF, et al. (2020) A Novel Function for KLF4 in Modulating the De-differentiation of EpCAM-/CD133- nonStem Cells into EpCAM+/CD133+ Liver Cancer Stem Cells in HCC Cell Line HuH7. *Cells*, 9(5).

Gurusinghe S, et al. (2019) Lentiviral vector expression of Klf4 enhances chondrogenesis and reduces hypertrophy in equine chondrocytes. *Gene*, 680, 9.

Riddick G, et al. (2017) A Core Regulatory Circuit in Glioblastoma Stem Cells Links MAPK Activation to a Transcriptional Program of Neural Stem Cell Identity. *Scientific reports*, 7, 43605.

Yang Y, et al. (2016) KLF4 is downregulated but not mutated during human esophageal squamous cell carcinogenesis and has tumor stage-specific functions. *Cancer biology & therapy*, 17(4), 422.

Thandapani P, et al. (2015) Aven recognition of RNA G-quadruplexes regulates translation of the mixed lineage leukemia protooncogenes. *eLife*, 4.

Liao J, et al. (2015) Targeted disruption of DNMT1, DNMT3A and DNMT3B in human embryonic stem cells. *Nature genetics*, 47(5), 469.

Kim SI, et al. (2015) KLF4 N-terminal variance modulates induced reprogramming to pluripotency. *Stem cell reports*, 4(4), 727.

Vazquez-Martin A, et al. (2012) Activation of AMP-activated protein kinase (AMPK) provides a metabolic barrier to reprogramming somatic cells into stem cells. *Cell cycle (Georgetown, Tex.)*, 11(5), 974.