

Resource Summary Report

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

[pMXs-hKLF4](#)

RRID:Addgene_17219

Type: Plasmid

Proper Citation

RRID:Addgene_17219

Plasmid Information

URL: <http://www.addgene.org/17219>

Proper Citation: RRID:Addgene_17219

Insert Name: KLF4

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:18035408](#)

Vector Backbone Description: Backbone Size:4600; Vector Backbone:pMXs; Vector Types:Mammalian Expression, Retroviral; Bacterial Resistance:Ampicillin

Comments: The sequence of primer pMX-S1811 is GAC GGC ATC GCA GCT TGG ATA CAC.

Plasmid Name: pMXs-hKLF4

Relevant Mutation: None

Record Creation Time: 20220422T221959+0000

Record Last Update: 20260815T081022+0000

Ratings and Alerts

No rating or validation information has been found for pMXs-hKLF4.

No alerts have been found for pMXs-hKLF4.

Data and Source Information

Usage and Citation Metrics

We found 120 mentions in open access literature.

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

Palomino Lago E, et al. (2025) Identification of a global gene expression signature associated with the genetic risk of catastrophic fracture in iPSC-derived osteoblasts from Thoroughbred horses. *Animal genetics*, 56(1), e13504.

Weeratunga P, et al. (2025) Footprint-free induced pluripotent stem cells can be successfully differentiated into mesenchymal stromal cells in the feline model. *Stem cell research & therapy*, 16(1), 195.

Oles AR, et al. (2025) MyoD is essential in rhabdomyosarcoma by promoting survival through differentiation and CYLD. *iScience*, 28(8), 113149.

Kim D, et al. (2024) Ultrasound-triggered three dimensional hyaluronic acid hydrogel promotes in vitro and in vivo reprogramming into induced pluripotent stem cells. *Bioactive materials*, 38, 331.

Palomino Lago E, et al. (2023) Equine induced pluripotent stem cells are responsive to inflammatory cytokines before and after differentiation into musculoskeletal cell types. *In vitro cellular & developmental biology. Animal*, 59(7), 514.

Haag C, et al. (2023) Generation of an induced pluripotent stem cell (iPSC) line from a patient with GEFS+ carrying a STX1B (p.Lys45delinsArgMetCysIleGlu and p.Leu46Met) mutation. *Stem cell research*, 67, 103028.

Son B, et al. (2022) Enhanced efficiency of generating human-induced pluripotent stem cells using Lin28-30Kc19 fusion protein. *Frontiers in bioengineering and biotechnology*, 10, 911614.

von Joest M, et al. (2022) Amphiregulin mediates non-cell-autonomous effect of senescence on reprogramming. *Cell reports*, 40(2), 111074.

Tian H, et al. (2022) Induced retinal pigment epithelial cells with anti-epithelial-to-mesenchymal transition ability delay retinal degeneration. *iScience*, 25(10), 105050.

Ito K, et al. (2022) The oncogene-dependent resistance to reprogramming unveils cancer therapeutic targets. *Cell reports*, 39(4), 110721.

Setthawong P, et al. (2021) Molecular signature and colony morphology affect in vitro pluripotency of porcine induced pluripotent stem cells. *Reproduction in domestic animals = Zuchthygiene*, 56(8), 1104.

Wei H, et al. (2021) Activation of Wnt/ β -catenin signalling and HIF1 α stabilisation alters pluripotency and differentiation/proliferation properties of human-induced pluripotent stem cells. *Biology of the cell*, 113(3), 133.

Wang L, et al. (2021) An induced pluripotent stem cell line (CSUi004-A) from skin fibroblasts of a healthy individual. Stem cell research, 53, 102336.

Takahashi K, et al. (2021) The pluripotent stem cell-specific transcript ESG is dispensable for human pluripotency. PLoS genetics, 17(5), e1009587.

Glaß H, et al. (2020) Combined Dendritic and Axonal Deterioration Are Responsible for Motoneuronopathy in Patient-Derived Neuronal Cell Models of Chorea-Acanthocytosis. International journal of molecular sciences, 21(5).

Kim KP, et al. (2020) Reprogramming competence of OCT factors is determined by transactivation domains. Science advances, 6(36).

Kim KP, et al. (2020) Generation of a human iPSC line (MPli007-A) from a patient with Metachromatic leukodystrophy. Stem cell research, 48, 101993.

Zheng J, et al. (2020) Long-term expansion of directly reprogrammed keratinocyte-like cells and in vitro reconstitution of human skin. Journal of biomedical science, 27(1), 56.

Kim KP, et al. (2020) Generation of a human iPSC line (MPli006-A) from a patient with Pelizaeus-Merzbacher disease. Stem cell research, 46, 101839.

Takahashi K, et al. (2020) Critical Roles of Translation Initiation and RNA Uridylation in Endogenous Retroviral Expression and Neural Differentiation in Pluripotent Stem Cells. Cell reports, 31(9), 107715.