

Resource Summary Report

Generated by [RRID](#) on Sep 2, 2026

pLOVE-Klf4

RRID:Addgene_15950

Type: Plasmid

Proper Citation

RRID:Addgene_15950

Plasmid Information

URL: <http://www.addgene.org/15950>

Proper Citation: RRID:Addgene_15950

Insert Name: Kruppel-like factor 4

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:18371358](#)

Vector Backbone Description: Backbone Size:8263; Vector Backbone:pLOVE; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Plasmid Name: pLOVE-Klf4

Relevant Mutation: The recombination reaction required to clone "Gene X" into the pLOVE vector backbone removes 1456 bp (the CmR-ccdB region). Therefore, the size of pLOVE-Klf4 is ~8963 bp.

Record Creation Time: 20220422T221903+0000

Record Last Update: 20260902T042521+0000

Ratings and Alerts

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

No alerts have been found for pLOVE-Klf4.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Li T, et al. (2020) Genetic deficiency of Phactr1 promotes atherosclerosis development via facilitating M1 macrophage polarization and foam cell formation. Clinical science (London, England : 1979), 134(17), 2353.

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

Hale AT, et al. (2014) Endothelial Kruppel-like factor 4 regulates angiogenesis and the Notch signaling pathway. The Journal of biological chemistry, 289(17), 12016.

Tahmasebi S, et al. (2014) The SUMO conjugating enzyme Ubc9 is required for inducing and maintaining stem cell pluripotency. Stem cells (Dayton, Ohio), 32(4), 1012.

Tahmasebi S, et al. (2013) Sumoylation of Kruppel-like factor 4 inhibits pluripotency induction but promotes adipocyte differentiation. The Journal of biological chemistry, 288(18), 12791.

Chen HF, et al. (2011) Surface marker epithelial cell adhesion molecule and E-cadherin facilitate the identification and selection of induced pluripotent stem cells. Stem cell reviews and reports, 7(3), 722.

Mali P, et al. (2008) Improved efficiency and pace of generating induced pluripotent stem cells from human adult and fetal fibroblasts. Stem cells (Dayton, Ohio), 26(8), 1998.