

Resource Summary Report

Generated by [NIF](#) on Aug 10, 2026

pLV-tetO-Oct4

RRID:Addgene_19766

Type: Plasmid

Proper Citation

RRID:Addgene_19766

Plasmid Information

URL: <http://www.addgene.org/19766>

Proper Citation: RRID:Addgene_19766

Insert Name: Oct4

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:18371448](#)

Vector Backbone Description: Backbone Size:9941; Vector Backbone:FUdeltaGW; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Comments: From article: A tet-inducible lentivirus called LV-tetO was generated by removing the EcoRI/PacI fragment containing the ubiquitin promoter elements from the FUdeltaGW vector (modified from FUGW by removal of GFP with EcoRI-XbaI and re-creation of the EcoRI site) and replacing it with tetO sequences derived from pTet-Splice by EcoRI/XhoI digestion.cDNAs for c-Myc (T58A mutant), Klf4, Oct4, and Sox2 were isolated from pMIG or pMX vectors and cloned into LV-tetO using a unique EcoRI restriction site. Note that the region immediately upstream of the insert in the author's sequence is not 100% accurate. See Addgene's quality control sequence for this region.

Plasmid Name: pLV-tetO-Oct4

Record Creation Time: 20220422T222047+0000

Record Last Update: 20260808T081355+0000

Ratings and Alerts

No rating or validation information has been found for pLV-tetO-Oct4.

No alerts have been found for pLV-tetO-Oct4.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Huynh D, et al. (2025) Effective in vivo binding energy landscape illustrates kinetic stability of RBPJ-DNA binding. Nature communications, 16(1), 1259.

Hersbach BA, et al. (2022) Probing cell identity hierarchies by fate titration and collision during direct reprogramming. Molecular systems biology, 18(9), e11129.

Zhu H, et al. (2020) Direct Reprogramming of Mouse Fibroblasts into Functional Osteoblasts. Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research, 35(4), 698.

Wiehe RS, et al. (2018) Endonuclease G promotes mitochondrial genome cleavage and replication. Oncotarget, 9(26), 18309.

Tiemann U, et al. (2014) Counteracting activities of OCT4 and KLF4 during reprogramming to pluripotency. Stem cell reports, 2(3), 351.