

Resource Summary Report

Generated by [NIF](#) on Sep 1, 2026

PB-TET-MKOS

RRID:Addgene_20959

Type: Plasmid

Proper Citation

RRID:Addgene_20959

Plasmid Information

URL: <http://www.addgene.org/20959>

Proper Citation: RRID:Addgene_20959

Insert Name: cMyc, KLF4, Oct4, Sox2

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:19252478](#)

Vector Backbone Description: Backbone Size:9186; Vector Backbone:PB-TET; Vector Types:Mammalian Expression, piggyBac; Bacterial Resistance:Ampicillin

Comments: Additional reference, Kaji et al Nature. 2009 Mar 1

Plasmid Name: PB-TET-MKOS

Record Creation Time: 20220422T222053+0000

Record Last Update: 20260829T080203+0000

Ratings and Alerts

No rating or validation information has been found for PB-TET-MKOS.

No alerts have been found for PB-TET-MKOS.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Kim J, et al. (2023) Partial in vivo reprogramming enables injury-free intestinal regeneration via autonomous Ptgs1 induction. Science advances, 9(47), eadi8454.

Meng F, et al. (2020) Targeted histone demethylation improves somatic cell reprogramming into cloned blastocysts but not postimplantation bovine concepti†. Biology of reproduction, 103(1), 114.

Kuan II, et al. (2017) EpEX/EpCAM and Oct4 or Klf4 alone are sufficient to generate induced pluripotent stem cells through STAT3 and HIF2?. Scientific reports, 7, 41852.

Kawaguchi T, et al. (2016) Derivation of Induced Trophoblast Cell Lines in Cattle by Doxycycline-Inducible piggyBac Vectors. PloS one, 11(12), e0167550.

Kawaguchi T, et al. (2015) Generation of Naïve Bovine Induced Pluripotent Stem Cells Using PiggyBac Transposition of Doxycycline-Inducible Transcription Factors. PloS one, 10(8), e0135403.

Ogawa Y, et al. (2013) Impaired neural differentiation of induced pluripotent stem cells generated from a mouse model of Sandhoff disease. PloS one, 8(1), e55856.

Meir YJ, et al. (2013) A versatile, highly efficient, and potentially safer piggyBac transposon system for mammalian genome manipulations. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 27(11), 4429.

Tsukiyama T, et al. (2011) Simple and efficient method for generation of induced pluripotent stem cells using piggyBac transposition of doxycycline-inducible factors and an EOS reporter system. Genes to cells : devoted to molecular & cellular mechanisms, 16(7), 815.