Resource Summary Report

Generated by RRID on Sep 1, 2026

pCX-OKS-2A

RRID:Addgene_19771
Type: Plasmid

Proper Citation

RRID:Addgene_19771

Plasmid Information

URL: http://www.addgene.org/19771

Proper Citation: RRID:Addgene_19771

Insert Name: Oct3/4-2A-Klf4-2A-Sox2

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: PMID:18845712

Vector Backbone Description: Backbone Marker:Jun-ichi Miyazaki; Backbone Size:4778; Vector Backbone:pCX; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Addgene has verified the insert size with an EcoRI digest. To see a picture of the digest, click on "Reviews" under Plasmid Links, to the right of this page.

Plasmid Name: pCX-OKS-2A

Relevant Mutation: Three genes are connected with the foot-and-mouth disease virus 2A self-cleaving sequence.

Record Creation Time: 20220422T222047+0000

Record Last Update: 20260829T080148+0000

Ratings and Alerts

No rating or validation information has been found for pCX-OKS-2A.

No alerts have been found for pCX-OKS-2A.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 16 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Lesueur LL, et al. (2016) Overcoming the Specific Toxicity of Large Plasmids Electrotransfer in Primary Cells In Vitro. Molecular therapy. Nucleic acids, 5(3), e291.

Mikhailov A, et al. (2016) Bio-active polymer implants to adipose tissue as in situ source of reprogramming cells. Annual International Conference of the IEEE Engineering in Medicine and Biology Society. IEEE Engineering in Medicine and Biology Society. Annual International Conference, 2016, 4169.

Kim E, et al. (2016) Putative embryonic stem cells derived from porcine cloned blastocysts using induced pluripotent stem cells as donors. Theriogenology, 85(4), 601.

Loh CY, et al. (2016) Episomal Induced Pluripotent Stem Cells Promote Functional Recovery of Transected Murine Peripheral Nerve. PloS one, 11(10), e0164696.

Kim JS, et al. (2016) Generation of Partially Reprogrammed Cells and Fully Reprogrammed iPS Cells by Plasmid Transfection. Methods in molecular biology (Clifton, N.J.), 1357, 85.

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

Fiore C, et al. (2016) Interactions between pluripotency factors specify cis-regulation in embryonic stem cells. Genome research, 26(6), 778.

Noguchi H, et al. (2015) Induction of tissue-specific stem cells by reprogramming factors, and tissue-specific selection. Cell death and differentiation, 22(1), 145.

Zhao H, et al. (2015) A highly optimized protocol for reprogramming cancer cells to pluripotency using nonviral plasmid vectors. Cellular reprogramming, 17(1), 7.

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

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

Fink KD, et al. (2014) Survival and differentiation of adenovirus-generated induced pluripotent stem cells transplanted into the rat striatum. Cell transplantation, 23(11), 1407.

Yilmazer A, et al. (2013) In vivo reprogramming of adult somatic cells to pluripotency by overexpression of Yamanaka factors. Journal of visualized experiments : JoVE(82), e50837.

Park JK, et al. (2013) Primed pluripotent cell lines derived from various embryonic origins and somatic cells in pig. PloS one, 8(1), e52481.

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.

Okita K, et al. (2010) Generation of mouse-induced pluripotent stem cells with plasmid vectors. Nature protocols, 5(3), 418.