

Resource Summary Report

Generated by [RRID](#) on Aug 21, 2026

FUW-OSKM

RRID:Addgene_20328

Type: Plasmid

Proper Citation

RRID:Addgene_20328

Plasmid Information

URL: <http://www.addgene.org/20328>

Proper Citation: RRID:Addgene_20328

Insert Name: Oct4-P2A-Sox2-T2A-Klf4-E2A-cMyc

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:19109433](#)

Vector Backbone Description: Backbone Marker:homemade; Backbone Size:7222; Vector Backbone:FUW (Lenti-Lox-Ubi); Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Plasmid Name: FUW-OSKM

Record Creation Time: 20220422T222050+0000

Record Last Update: 20260815T081153+0000

Ratings and Alerts

No rating or validation information has been found for FUW-OSKM.

No alerts have been found for FUW-OSKM.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Mitchell W, et al. (2024) Multi-omics characterization of partial chemical reprogramming reveals evidence of cell rejuvenation. *eLife*, 12.

Mitchell W, et al. (2023) Multi-omics characterization of partial chemical reprogramming reveals evidence of cell rejuvenation. *bioRxiv : the preprint server for biology*.

Lee S, et al. (2022) Elongated nanoporous Au networks improve somatic cell direct conversion into induced dopaminergic neurons for Parkinson's disease therapy. *Acta biomaterialia*, 151, 561.

Orge ID, et al. (2020) Phenotype instability of hepatocyte-like cells produced by direct reprogramming of mesenchymal stromal cells. *Stem cell research & therapy*, 11(1), 154.

Blum W, et al. (2018) Biological noise and positional effects influence cell stemness. *The Journal of biological chemistry*, 293(14), 5247.

Mohammadi Amirabad L, et al. (2017) Enhanced Cardiac Differentiation of Human Cardiovascular Disease Patient-Specific Induced Pluripotent Stem Cells by Applying Unidirectional Electrical Pulses Using Aligned Electroactive Nanofibrous Scaffolds. *ACS applied materials & interfaces*, 9(8), 6849.

Wu Y, et al. (2017) Generation and characterization of induced pluripotent stem cells from guinea pig fetal fibroblasts. *Molecular medicine reports*, 15(6), 3690.

Guye P, et al. (2016) Genetically engineering self-organization of human pluripotent stem cells into a liver bud-like tissue using Gata6. *Nature communications*, 7, 10243.

Farshchian M, et al. (2016) Pluripotency induction in HEK293T cells by concurrent expression of STELLA, OCT4 and NANOS2. *Biochemical and biophysical research communications*, 480(4), 635.

Salemi S, et al. (2016) Efficient generation of dopaminergic-like neurons by overexpression of Nurr1 and Pitx3 in mouse induced Pluripotent Stem Cells. *Neuroscience letters*, 626, 126.

Fishman VS, et al. (2015) Cell divisions are not essential for the direct conversion of fibroblasts into neuronal cells. *Cell cycle (Georgetown, Tex.)*, 14(8), 1188.

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

Dastpak M, et al. (2014) Construction and quantitative evaluation of a dual specific promoter system for monitoring the expression status of Stra8 and c-kit genes. *Molecular biotechnology*, 56(12), 1100.

Varga E, et al. (2014) Generation of transgene-free mouse induced pluripotent stem cells using an excisable lentiviral system. *Experimental cell research*, 322(2), 335.

Wu Y, et al. (2013) Oxidative stress inhibits adhesion and transendothelial migration, and induces apoptosis and senescence of induced pluripotent stem cells. *Clinical and experimental pharmacology & physiology*, 40(9), 626.

Kong YP, et al. (2013) Matrix identity and tractional forces influence indirect cardiac reprogramming. *Scientific reports*, 3, 3474.

Muenthaisong S, et al. (2012) Generation of mouse induced pluripotent stem cells from different genetic backgrounds using Sleeping beauty transposon mediated gene transfer. *Experimental cell research*, 318(19), 2482.