Resource Summary Report

Generated by NIF on Aug 10, 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: 20260808T081400+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 NIF .

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.