Resource Summary Report

Generated by dkNET on Sep 6, 2026

TetO-FUW-oct4

RRID:Addgene_20323
Type: Plasmid

Proper Citation

RRID:Addgene_20323

Plasmid Information

URL: http://www.addgene.org/20323

Proper Citation: RRID:Addgene_20323

Insert Name: oct4

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: PMID:18371436

Vector Backbone Description: Backbone Marker:homemade; Backbone Size:8376; Vector Backbone:FUW; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Plasmid Name: TetO-FUW-oct4

Record Creation Time: 20220422T222050+0000

Record Last Update: 20260905T075345+0000

Ratings and Alerts

No rating or validation information has been found for TetO-FUW-oct4.

No alerts have been found for TetO-FUW-oct4.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 20 mentions in open access literature.

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

Haubenreich C, et al. (2024) Epigenetic and Transcriptional Shifts in Human Neural Stem Cells after Reprogramming into Induced Pluripotent Stem Cells and Subsequent Redifferentiation. International journal of molecular sciences, 25(6).

Lerner J, et al. (2023) Different chromatin-scanning modes lead to targeting of compacted chromatin by pioneer factors FOXA1 and SOX2. Cell reports, 42(7), 112748.

Hsieh A, et al. (2020) Growth of pancreatic cancers with hemizygous chromosomal 17p loss of MYBBP1A can be preferentially targeted by PARP inhibitors. Science advances, 6(49).

Lerner J, et al. (2020) Two-Parameter Mobility Assessments Discriminate Diverse Regulatory Factor Behaviors in Chromatin. Molecular cell, 79(4), 677.

Zhang X, et al. (2019) Long noncoding RNAs sustain high expression levels of exogenous octamer-binding protein 4 by sponging regulatory microRNAs during cellular reprogramming. The Journal of biological chemistry, 294(47), 17863.

An Z, et al. (2019) Sox2 and Klf4 as the Functional Core in Pluripotency Induction without Exogenous Oct4. Cell reports, 29(7), 1986.

Benchetrit H, et al. (2019) Direct Induction of the Three Pre-implantation Blastocyst Cell Types from Fibroblasts. Cell stem cell, 24(6), 983.

Connelly KE, et al. (2019) Engagement of DNA and H3K27me3 by the CBX8 chromodomain drives chromatin association. Nucleic acids research, 47(5), 2289.

Schiebinger G, et al. (2019) Optimal-Transport Analysis of Single-Cell Gene Expression Identifies Developmental Trajectories in Reprogramming. Cell, 176(4), 928.

Alpsoy A, et al. (2018) Glioma tumor suppressor candidate region gene 1 (GLTSCR1) and its paralog GLTSCR1-like form SWI/SNF chromatin remodeling subcomplexes. The Journal of biological chemistry, 293(11), 3892.

Slaughter MJ, et al. (2018) PBRM1 bromodomains variably influence nucleosome interactions and cellular function. The Journal of biological chemistry, 293(35), 13592.

Liu P, et al. (2018) CRISPR-Based Chromatin Remodeling of the Endogenous Oct4 or Sox2 Locus Enables Reprogramming to Pluripotency. Cell stem cell, 22(2), 252.

Hernandez C, et al. (2018) Dppa2/4 Facilitate Epigenetic Remodeling during Reprogramming to Pluripotency. Cell stem cell, 23(3), 396.

Porter EG, et al. (2017) Individual Bromodomains of Polybromo-1 Contribute to Chromatin Association and Tumor Suppression in Clear Cell Renal Carcinoma. The Journal of biological chemistry, 292(7), 2601.

Chen J, et al. (2016) Hierarchical Oct4 Binding in Concert with Primed Epigenetic Rearrangements during Somatic Cell Reprogramming. Cell reports, 14(6), 1540.

Oh HR, et al. (2016) Critical roles of Cyclin D1 in mouse embryonic fibroblast cell reprogramming. The FEBS journal, 283(24), 4549.

Chowdhury B, et al. (2016) PBRM1 Regulates the Expression of Genes Involved in Metabolism and Cell Adhesion in Renal Clear Cell Carcinoma. PloS one, 11(4), e0153718.

Yang Z, et al. (2015) Physical Interactions and Functional Coordination between the Core Subunits of Set1/Mll Complexes and the Reprogramming Factors. PloS one, 10(12), e0145336.

Schnabel LV, et al. (2012) Genetic background affects induced pluripotent stem cell generation. Stem cell research & therapy, 3(4), 30.

Chuang CH, et al. (2010) Incremental genetic perturbations to MCM2-7 expression and subcellular distribution reveal exquisite sensitivity of mice to DNA replication stress. PLoS genetics, 6(9), e1001110.