

Resource Summary Report

Generated by [NIF](#) on Sep 2, 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: 20260902T043656+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 [NIF](#) .

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.

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

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

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.

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.

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

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.