

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

FUW-tetO-hMYC

RRID:Addgene_20723

Type: Plasmid

Proper Citation

RRID:Addgene_20723

Plasmid Information

URL: <http://www.addgene.org/20723>

Proper Citation: RRID:Addgene_20723

Insert Name: c-MYC

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:18786421](#)

Vector Backbone Description: Backbone Marker:Carlos Lois; Backbone Size:8382; Vector Backbone:FUW; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Plasmid Name: FUW-tetO-hMYC

Record Creation Time: 20220422T222052+0000

Record Last Update: 20260725T074420+0000

Ratings and Alerts

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

No alerts have been found for FUW-tetO-hMYC.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 23 mentions in open access literature.

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

Liu M, et al. (2025) O-GlcNAcylation in Gli1+ Mesenchymal Stem Cells Is Indispensable for Bone Formation and Fracture Healing. *International journal of molecular sciences*, 26(6).

Cai L, et al. (2025) Transcriptomic insights and feeder-free culturing of porcine expanded potential stem cells from cloned embryos. *Stem cell research & therapy*, 16(1), 527.

Chen HJ, et al. (2025) Metastatic small cell lung cancer arises from TP53/RB1-deficient and MYC overproduction hESC-derived PNECs. *eLife*, 13.

Ozkan B, et al. (2025) Cell-type-specific functionality encoded within the intrinsically disordered regions of OCT4. *Nature communications*, 16(1), 8647.

Gong L, et al. (2024) RB1 loss induces quiescent state through downregulation of RAS signaling in mammary epithelial cells. *Cancer science*, 115(5), 1576.

Wang Y, et al. (2023) Targeting ST8SIA6-AS1 counteracts KRASG12C inhibitor resistance through abolishing the reciprocal activation of PLK1/c-Myc signaling. *Experimental hematology & oncology*, 12(1), 105.

Chen HJ, et al. (2023) FORMATION OF MALIGNANT, METASTATIC SMALL CELL LUNG CANCERS THROUGH OVERPRODUCTION OF cMYC PROTEIN IN TP53 AND RB1 DEPLETED PULMONARY NEUROENDOCRINE CELLS DERIVED FROM HUMAN EMBRYONIC STEM CELLS. *bioRxiv : the preprint server for biology*.

Tian H, et al. (2022) Induced retinal pigment epithelial cells with anti-epithelial-to-mesenchymal transition ability delay retinal degeneration. *iScience*, 25(10), 105050.

Roberts GA, et al. (2021) Dissecting OCT4 defines the role of nucleosome binding in pluripotency. *Nature cell biology*, 23(8), 834.

Ruiz G, et al. (2019) Genes Involved in the Transcriptional Regulation of Pluripotency Are Expressed in Malignant Tumors of the Uterine Cervix and Can Induce Tumorigenic Capacity in a Nontumorigenic Cell Line. *Stem cells international*, 2019, 7683817.

Galonska C, et al. (2018) Genome-wide tracking of dCas9-methyltransferase footprints. *Nature communications*, 9(1), 597.

Unno K, et al. (2017) Modeling African American prostate adenocarcinoma by inducing defined genetic alterations in organoids. *Oncotarget*, 8(31), 51264.

Rodriguez-Madoz JR, et al. (2017) Reversible dual inhibitor against G9a and DNMT1 improves human iPSC derivation enhancing MET and facilitating transcription factor engagement to the genome. *PloS one*, 12(12), e0190275.

Wu J, et al. (2017) Interspecies Chimerism with Mammalian Pluripotent Stem Cells. *Cell*, 168(3), 473.

Nguyen PNN, et al. (2017) miR-524-5p of the primate-specific C19MC miRNA cluster targets TP53IPN1- and EMT-associated genes to regulate cellular reprogramming. *Stem cell research & therapy*, 8(1), 214.

Cha Y, et al. (2017) Metabolic control of primed human pluripotent stem cell fate and function by the miR-200c-SIRT2 axis. *Nature cell biology*, 19(5), 445.

Shi Y, et al. (2015) Hedgehog signaling activates a positive feedback mechanism involving insulin-like growth factors to induce osteoblast differentiation. *Proceedings of the National Academy of Sciences of the United States of America*, 112(15), 4678.

Park H, et al. (2014) Increased genomic integrity of an improved protein-based mouse induced pluripotent stem cell method compared with current viral-induced strategies. *Stem cells translational medicine*, 3(5), 599.

Soppa U, et al. (2014) The Down syndrome-related protein kinase DYRK1A phosphorylates p27(Kip1) and Cyclin D1 and induces cell cycle exit and neuronal differentiation. *Cell cycle (Georgetown, Tex.)*, 13(13), 2084.

Park SH, et al. (2013) Regulation of anoikis by deleted in breast cancer-1 (DBC1) through NF- κ B. *Apoptosis : an international journal on programmed cell death*, 18(8), 949.