Resource Summary Report

Generated by RRID on Aug 30, 2026

pMXs-c-Myc

RRID:Addgene_13375
Type: Plasmid

Proper Citation

RRID:Addgene_13375

Plasmid Information

URL: http://www.addgene.org/13375

Proper Citation: RRID:Addgene_13375

Insert Name: myelocytomatosis oncogene

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: PMID:16904174

Vector Backbone Description: Backbone Size:4600; Vector Backbone:pMXs; Vector Types:Mammalian Expression, Retroviral; Bacterial Resistance:Ampicillin

Comments: The sequence of primer pMX-S1811 is GAC GGC ATC GCA GCT TGG ATA CAC.

Plasmid Name: pMXs-c-Myc

Relevant Mutation: None

Record Creation Time: 20220422T221740+0000

Record Last Update: 20260829T075533+0000

Ratings and Alerts

No rating or validation information has been found for pMXs-c-Myc.

No alerts have been found for pMXs-c-Myc.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 77 mentions in open access literature.

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

Li S, et al. (2024) c-Myc alone is enough to reprogram fibroblasts into functional macrophages. Journal of hematology & oncology, 17(1), 83.

Kim D, et al. (2024) Inhibitory co-receptor Lag3 supports Foxp3+ regulatory T cell function by restraining Myc-dependent metabolic programming. Immunity, 57(11), 2634.

Peng M, et al. (2024) The IMPDH cytoophidium couples metabolism and fetal development in mice. Cellular and molecular life sciences : CMLS, 81(1), 210.

Araki R, et al. (2024) iPS cell generation-associated point mutations include many C > T substitutions via different cytosine modification mechanisms. Nature communications, 15(1), 4946.

Hu X, et al. (2024) Dux activates metabolism-lactylation-MET network during early iPSC reprogramming with Brg1 as the histone lactylation reader. Nucleic acids research, 52(10), 5529.

Kanegi R, et al. (2023) Generation, characterization, and differentiation of induced pluripotent stem-like cells in the domestic cat. The Journal of reproduction and development, 69(6), 317.

Sato S, et al. (2023) The circadian clock CRY1 regulates pluripotent stem cell identity and somatic cell reprogramming. Cell reports, 42(6), 112590.

Liu K, et al. (2022) BNIP3 (BCL2 interacting protein 3) regulates pluripotency by modulating mitochondrial homeostasis via mitophagy. Cell death & disease, 13(4), 334.

Zhao Q, et al. (2022) BNIP3-dependent mitophagy safeguards ESC genomic integrity via preventing oxidative stress-induced DNA damage and protecting homologous recombination. Cell death & disease, 13(11), 976.

Khodeer S, et al. (2022) ALKBH5 regulates somatic cell reprogramming in a phase-specific manner. Journal of cell science, 135(11).

Fuentes-Iglesias A, et al. (2022) Detecting and Modulating ER Stress to Improve Generation of Induced Pluripotent Stem Cells. Methods in molecular biology (Clifton, N.J.), 2454, 743.

Sun R, et al. (2022) Identification of microRNAs related with neural germ layer lineage-specific progenitors during reprogramming. Journal of molecular histology, 53(4), 623.

Salti A, et al. (2021) High Glycolytic Activity Enhances Stem Cell Reprogramming of Fahd1-KO Mouse Embryonic Fibroblasts. Cells, 10(8).

Ying Z, et al. (2021) Protocols for analysis of mitochondrial permeability transition pore opening in mouse somatic cell reprogramming. STAR protocols, 2(2), 100568.

Bae S, et al. (2021) MYC-mediated early glycolysis negatively regulates proinflammatory responses by controlling IRF4 in inflammatory macrophages. Cell reports, 35(11), 109264.

Li Y, et al. (2020) The function of a heterozygous p53 mutation in a Li-Fraumeni syndrome patient. PloS one, 15(6), e0234262.

Cota P, et al. (2020) Cytokine Directed Chondroblast Trans-Differentiation: JAK Inhibition Facilitates Direct Reprogramming of Fibroblasts to Chondroblasts. Cells, 9(1).

Liu H, et al. (2020) The Effects of Daxx Knockout on Pluripotency and Differentiation of Mouse Induced Pluripotent Stem Cells. Cellular reprogramming, 22(2), 90.

Barbuti PA, et al. (2020) Generation of two iPS cell lines (HIHDNDi001-A and HIHDNDi001-B) from a Parkinson's disease patient carrying the heterozygous p.A30P mutation in SNCA. Stem cell research, 48, 101951.

Taylor RJ, et al. (2020) Double UP: A Dual Color, Internally Controlled Platform for in utero Knockdown or Overexpression. Frontiers in molecular neuroscience, 13, 82.