

Resource Summary Report

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

pMx-puro-MGT

RRID:Addgene_111809

Type: Plasmid

Proper Citation

RRID:Addgene_111809

Plasmid Information

URL: <http://www.addgene.org/111809>

Proper Citation: RRID:Addgene_111809

Insert Name: Mef2c, Tbx5 and Gata4

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:25416133](#)

Vector Backbone Description: Backbone Marker:Cell biolabs; Backbone Size:5900; Vector Backbone:pMx-puromycin; Vector Types:Mammalian Expression, Retroviral; Bacterial Resistance:Ampicillin

Comments: Please note that there are some discrepancies between Addgene's quality control sequence and the depositor's sequence. The depositor noted that these discrepancies do NOT affect plasmid function.

Plasmid Name: pMx-puro-MGT

Record Creation Time: 20220422T221544+0000

Record Last Update: 20260725T073512+0000

Ratings and Alerts

No rating or validation information has been found for pMx-puro-MGT.

No alerts have been found for pMx-puro-MGT.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Spurlock BM, et al. (2025) Mitochondrial fusion and cristae reorganization facilitate acquisition of cardiomyocyte identity during reprogramming of murine fibroblasts. Cell reports, 44(3), 115377.

Li Z, et al. (2022) In vitro Assessment of Cardiac Reprogramming by Measuring Cardiac Specific Calcium Flux with a GCaMP3 Reporter. Journal of visualized experiments : JoVE(180).

Xu J, et al. (2021) In Vitro Conversion of Murine Fibroblasts into Cardiomyocyte-Like Cells. Methods in molecular biology (Clifton, N.J.), 2158, 155.

Lee S, et al. (2020) In vivo combinatory gene therapy synergistically promotes cardiac function and vascular regeneration following myocardial infarction. Journal of tissue engineering, 11, 2041731420953413.