

Resource Summary Report

Generated by [RRID](#) on Aug 18, 2026

tetO-GATA4

RRID:Addgene_46030

Type: Plasmid

Proper Citation

RRID:Addgene_46030

Plasmid Information

URL: <http://www.addgene.org/46030>

Proper Citation: RRID:Addgene_46030

Insert Name: GATA4

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:23591016](#)

Vector Backbone Description: Vector Backbone:tetO-Gateway; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Comments: Please note that Addgene's sequencing identified R43Q, G50S and N197S mutations in the GATA4 insert in this plasmid when compared to GenBank reference sequence NP_002043.2. These difference were present in the original GATA4 sample and the plasmid functions as described in the associated publication.

Plasmid Name: tetO-GATA4

Relevant Mutation: R43Q, G50S and N197S

Record Creation Time: 20220422T222237+0000

Record Last Update: 20260815T081528+0000

Ratings and Alerts

No rating or validation information has been found for tetO-GATA4.

No alerts have been found for tetO-GATA4.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Tao Y, et al. (2023) Robust small molecule-aided cardiac reprogramming systems selective to cardiac fibroblasts. *iScience*, 26(12), 108466.

Razzaq SS, et al. (2022) Overexpression of GATA binding protein 4 and myocyte enhancer factor 2C induces differentiation of mesenchymal stem cells into cardiac-like cells. *World journal of stem cells*, 14(9), 700.

Song SY, et al. (2020) Prevascularized, multiple-layered cell sheets of direct cardiac reprogrammed cells for cardiac repair. *Biomaterials science*, 8(16), 4508.

Song SY, et al. (2019) Cardiac-mimetic cell-culture system for direct cardiac reprogramming. *Theranostics*, 9(23), 6734.

Kim AR, et al. (2017) Angiotensin-converting enzyme Ance is cooperatively regulated by Mad and Pannier in *Drosophila* imaginal discs. *Scientific reports*, 7(1), 13174.

Ifkovits JL, et al. (2014) Inhibition of TGF β signaling increases direct conversion of fibroblasts to induced cardiomyocytes. *PloS one*, 9(2), e89678.