

# Resource Summary Report

Generated by [NIF](#) on Sep 20, 2026

## tetO-GATA4

RRID:Addgene\_46030

Type: Plasmid

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### Proper Citation

RRID:Addgene\_46030

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### 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:** 20260919T091856+0000

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### 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 [NIF](#) .

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 $\beta$  signaling increases direct conversion of fibroblasts to induced cardiomyocytes. PloS one, 9(2), e89678.