

Resource Summary Report

Generated by [RRID](#) on Sep 2, 2026

CA-RIT-NFAT1 (PGK-Puro)

RRID:Addgene_63214

Type: Plasmid

Proper Citation

RRID:Addgene_63214

Plasmid Information

URL: <http://www.addgene.org/63214>

Proper Citation: RRID:Addgene_63214

Insert Name: CA-RIT-NFAT1

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:25680272](#)

Vector Backbone Description: Vector Backbone:unknown; Vector Types:Mammalian Expression, Retroviral; Bacterial Resistance:Ampicillin

Comments: RIT mutations (R468, I469, and T535) selectively interfere with NFAT:AP-1 interaction

Plasmid Name: CA-RIT-NFAT1 (PGK-Puro)

Relevant Mutation: Amino acids 1-3 removed; CA: PASSGSSASF mutated to PAAAGAAAAF, SPRTSPIMSP mutated to APRTAPIMAP, SPQRSRSPSPQPSP mutated to APQRARSPAPQPAP. RIT:R468A, I469A, T535G

Record Creation Time: 20220422T222401+0000

Record Last Update: 20260902T045900+0000

Ratings and Alerts

No rating or validation information has been found for CA-RIT-NFAT1 (PGK-Puro).

No alerts have been found for CA-RIT-NFAT1 (PGK-Puro).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Jin X, et al. (2020) Testicular Lmcd1 regulates phagocytosis by Sertoli cells through modulation of NFAT1/Txlna signaling pathway. Aging cell, 19(10), e13217.