

# Resource Summary Report

Generated by [RRID](#) on Aug 28, 2026

## pENTR11 CA NFAT1

RRID:Addgene\_11792

Type: Plasmid

### Proper Citation

RRID:Addgene\_11792

### Plasmid Information

**URL:** <http://www.addgene.org/11792>

**Proper Citation:** RRID:Addgene\_11792

**Insert Name:** NFAT1

**Organism:** Mus musculus

**Bacterial Resistance:** Kanamycin

**Vector Backbone Description:** Backbone Marker:Invitrogen; Backbone Size:2400;  
Vector Backbone:pENTR11; Vector Types:Bacterial Expression; Bacterial  
Resistance:Kanamycin

**Plasmid Name:** pENTR11 CA NFAT1

**Relevant Mutation:** Constitutively active: multiple serine to alanine mutations in the SRR  
and SPXX repeat motifs in the NFAT1 regulatory domain

**Record Creation Time:** 20220422T221617+0000

**Record Last Update:** 20260815T080258+0000

### Ratings and Alerts

No rating or validation information has been found for pENTR11 CA NFAT1.

No alerts have been found for pENTR11 CA NFAT1.

### Data and Source Information

**Source:** [Addgene](#)

## Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Ma S, et al. (2025) Nutrient-driven histone code determines exhausted CD8+ T cell fates. Science (New York, N.Y.), 387(6734), eadj3020.

Seth A, et al. (2023) AP-1-independent NFAT signaling maintains follicular T cell function in infection and autoimmunity. The Journal of experimental medicine, 220(5).

Wang G, et al. (2021) STAT5 interferes with PD-1 transcriptional activation and affects CD8+ T-cell sensitivity to PD-1-dependent immunoregulation. International immunology, 33(11), 563.

Jin Y, et al. (2020) Wnt16 signaling promotes osteoblast differentiation of periosteal derived cells in vitro and in vivo. PeerJ, 8, e10374.

Liu Z, et al. (2019) Discovery of Small-Molecule Inhibitors of the HSP90-Calcineurin-NFAT Pathway against Glioblastoma. Cell chemical biology, 26(3), 352.

Zhang W, et al. (2018) Nanoluciferase Reporter Gene System Directed by Tandemly Repeated Pseudo-Palindromic NFAT-Response Elements Facilitates Analysis of Biological Endpoint Effects of Cellular Ca<sup>2+</sup> Mobilization. International journal of molecular sciences, 19(2).

Weider M, et al. (2018) Nfat/calcineurin signaling promotes oligodendrocyte differentiation and myelination by transcription factor network tuning. Nature communications, 9(1), 899.

Lee JV, et al. (2018) Acetyl-CoA promotes glioblastoma cell adhesion and migration through Ca<sup>2+</sup>-NFAT signaling. Genes & development, 32(7-8), 497.

Zanotti S, et al. (2015) Activation of Nfatc2 in osteoblasts causes osteopenia. Journal of cellular physiology, 230(7), 1689.

Kaunisto A, et al. (2015) NFAT1 promotes intratumoral neutrophil infiltration by regulating IL8 expression in breast cancer. Molecular oncology, 9(6), 1140.

Zanotti S, et al. (2013) Nuclear factor of activated T-cells (NFAT)C2 inhibits Notch receptor signaling in osteoblasts. The Journal of biological chemistry, 288(1), 624.

Bradley EW, et al. (2010) WNT5A regulates chondrocyte differentiation through differential use of the CaN/NFAT and IKK/NF-kappaB pathways. Molecular endocrinology (Baltimore, Md.), 24(8), 1581.

Wang J, et al. (2009) Transcription factor Nfat1 deficiency causes osteoarthritis through dysfunction of adult articular chondrocytes. The Journal of pathology, 219(2), 163.