

# Resource Summary Report

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

## pENTR11 CA NFAT1

RRID:Addgene\_11792

Type: Plasmid

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### Proper Citation

RRID:Addgene\_11792

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### 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

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### Ratings and Alerts

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

No alerts have been found for pENTR11 CA NFAT1.

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### 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.