

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 9, 2026

pEGFP-C1 NFAT3

RRID:Addgene_10961

Type: Plasmid

Proper Citation

RRID:Addgene_10961

Plasmid Information

URL: <http://www.addgene.org/10961>

Proper Citation: RRID:Addgene_10961

Insert Name: NFAT3

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:11044444](#)

Vector Backbone Description: Backbone Marker:BD Biosciences (Clontech); Backbone Size:4731; Vector Backbone:pEGFP C1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: pEGFP-C1 NFAT3

Record Creation Time: 20220422T221532+0000

Record Last Update: 20260808T080420+0000

Ratings and Alerts

No rating or validation information has been found for pEGFP-C1 NFAT3.

No alerts have been found for pEGFP-C1 NFAT3.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Raju S, et al. (2025) NFATc1 drives Orai3 transcription and proteolysis by harnessing epigenome differences in the MARCH8 promoter. The EMBO journal, 44(21), 6137.

Lin W, et al. (2019) Osmolarity and calcium regulate connective tissue growth factor (CTGF/CCN2) expression in nucleus pulposus cells. Gene, 704, 15.

Evans MD, et al. (2017) Myosin II activity is required for structural plasticity at the axon initial segment. The European journal of neuroscience, 46(2), 1751.

Li M, et al. (2016) MicroRNA-29a-3p attenuates ET-1-induced hypertrophic responses in H9c2 cardiomyocytes. Gene, 585(1), 44.

Li M, et al. (2016) NFATc4 and myocardin synergistically up-regulate the expression of LTCC α 1C in ET-1-induced cardiomyocyte hypertrophy. Life sciences, 155, 11.

Evans MD, et al. (2013) Calcineurin signaling mediates activity-dependent relocation of the axon initial segment. The Journal of neuroscience : the official journal of the Society for Neuroscience, 33(16), 6950.

Ulrich JD, et al. (2012) Distinct activation properties of the nuclear factor of activated T-cells (NFAT) isoforms NFATc3 and NFATc4 in neurons. The Journal of biological chemistry, 287(45), 37594.

Nguyen T, et al. (2009) NFAT-3 is a transcriptional repressor of the growth-associated protein 43 during neuronal maturation. The Journal of biological chemistry, 284(28), 18816.

Kim MS, et al. (2009) Mitochondrial Ca^{2+} cycling facilitates activation of the transcription factor NFAT in sensory neurons. The Journal of neuroscience : the official journal of the Society for Neuroscience, 29(39), 12101.

Gajghate S, et al. (2009) Osmolarity and intracellular calcium regulate aquaporin2 expression through TonEBP in nucleus pulposus cells of the intervertebral disc. Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research, 24(6), 992.

Wang D, et al. (2008) The interleukin-1 receptor associated kinase 1 contributes to the regulation of NFAT. Molecular immunology, 45(15), 3902.