

Resource Summary Report

Generated by [RRID](#) on Aug 30, 2026

HA-NFAT4(3-407)-GFP

RRID:Addgene_21664

Type: Plasmid

Proper Citation

RRID:Addgene_21664

Plasmid Information

URL: <http://www.addgene.org/21664>

Proper Citation: RRID:Addgene_21664

Insert Name: NFAT4

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:10497131](#)

Vector Backbone Description: Backbone Size:4700; Vector Backbone:pEGFP-N1;
Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: HA-NFAT4(3-407)-GFP

Relevant Mutation: Amino acids 3-407

Record Creation Time: 20220422T222056+0000

Record Last Update: 20260829T080207+0000

Ratings and Alerts

No rating or validation information has been found for HA-NFAT4(3-407)-GFP.

No alerts have been found for HA-NFAT4(3-407)-GFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Sanchez-Collado J, et al. (2021) Orai2 Modulates Store-Operated Ca²⁺ Entry and Cell Cycle Progression in Breast Cancer Cells. *Cancers*, 14(1).

Yeast RE, et al. (2021) The Mitochondrial Ca²⁺ uniporter is a central regulator of interorganellar Ca²⁺ transfer and NFAT activation. *The Journal of biological chemistry*, 297(4), 101174.

Emrich SM, et al. (2021) Omnitemporal choreographies of all five STIM/Orai and IP3Rs underlie the complexity of mammalian Ca²⁺ signaling. *Cell reports*, 34(9), 108760.

Ishida R, et al. (2017) The Tissue-Reconstructing Ability of Colon CSCs Is Enhanced by FK506 and Suppressed by GSK3 Inhibition. *Molecular cancer research : MCR*, 15(10), 1455.

Peuker K, et al. (2016) Epithelial calcineurin controls microbiota-dependent intestinal tumor development. *Nature medicine*, 22(5), 506.

Sumit M, et al. (2015) Band-pass processing in a GPCR signaling pathway selects for NFAT transcription factor activation. *Integrative biology : quantitative biosciences from nano to macro*, 7(11), 1378.

Phuong TT, et al. (2013) Positive feedback control between STIM1 and NFATc3 is required for C2C12 myoblast differentiation. *Biochemical and biophysical research communications*, 430(2), 722.