

Resource Summary Report

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

NFAT/AP-1 3x Luciferase

RRID:Addgene_11783

Type: Plasmid

Proper Citation

RRID:Addgene_11783

Plasmid Information

URL: <http://www.addgene.org/11783>

Proper Citation: RRID:Addgene_11783

Insert Name: NFAT/AP-1 3x

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:10970869](#)

Vector Backbone Description: Backbone Marker:ATCC; Backbone Size:0; Vector Backbone:pT81Luc; Vector Types:Bacterial Expression, Luciferase; Bacterial Resistance:Ampicillin

Comments: Three tandem repeats of the NFAT/AP-1 binding site at approximately -287 of the murine IL-2 promotor. Sequence: 5'-AGCTTGGATCC AAGAGGAAAA TTTGTTTCAT ACAGAAGGCG TTAAGAGGAA AATTTGTTTC ATACAGAAGG CGTTAAGAGG AAAATTTGTT TCATACAGAA GGCGTTCAAG CTTGTCTGAC-3

Plasmid Name: NFAT/AP-1 3x luciferase

Record Creation Time: 20220422T221617+0000

Record Last Update: 20260815T080257+0000

Ratings and Alerts

No rating or validation information has been found for NFAT/AP-1 3x luciferase.

No alerts have been found for NFAT/AP-1 3x luciferase.

Data and Source Information

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Shin DH, et al. (2025) Targeting TGF- β -Smad2/3-JNK1-mediated SIRT1 activity overcomes the chemoresistance of KRAS mutation lung cancer. *Experimental & molecular medicine*, 57(9), 2022.

Lyu D, et al. (2019) TGR5 agonist INT-777 mitigates inflammatory response in human endometriotic stromal cells: A therapeutic implication for endometriosis. *International immunopharmacology*, 71, 93.

Liao FH, et al. (2016) T cell proliferation and adaptive immune responses are critically regulated by protein phosphatase 4. *Cell cycle (Georgetown, Tex.)*, 15(8), 1073.

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

Kivelä R, et al. (2016) The transcription factor Prox1 is essential for satellite cell differentiation and muscle fibre-type regulation. *Nature communications*, 7, 13124.

Ding M, et al. (2012) Luciferase reporter system for studying the effect of nanoparticles on gene expression. *Methods in molecular biology (Clifton, N.J.)*, 906, 403.

Andrade MV, et al. (2011) Amplification of cytokine production through synergistic activation of NFAT and AP-1 following stimulation of mast cells with antigen and IL-33. *European journal of immunology*, 41(3), 760.

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.

Chow W, et al. (2008) Glycogen synthase kinase 3 β regulation of nuclear factor of activated T-cells isoform c1 in the vascular smooth muscle cell response to injury. *Experimental cell research*, 314(16), 2919.