

Resource Summary Report

Generated by [kravitz2](#) on Aug 10, 2026

CMV500 A-FOS

RRID:Addgene_33353

Type: Plasmid

Proper Citation

RRID:Addgene_33353

Plasmid Information

URL: <http://www.addgene.org/33353>

Proper Citation: RRID:Addgene_33353

Insert Name: FOS

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:9447994](#)

Vector Backbone Description: Backbone Size:5500; Vector Backbone:CMV500; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Acidic amphipathic extension added to the Fos leucine zipper: LEQRAEELARENEELEKEAEELEQELAE Although the acidic extension is to the c-Fos leucine zipper, A-Fos heterodimerizes and inhibits c-Jun.

Plasmid Name: CMV500 A-FOS

Relevant Mutation: Dominant Negative of c-Jun; heterodimerizes and inhibits c-Jun

Record Creation Time: 20220422T222145+0000

Record Last Update: 20260808T081543+0000

Ratings and Alerts

No rating or validation information has been found for CMV500 A-FOS.

No alerts have been found for CMV500 A-FOS.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Orlando KA, et al. (2025) Pioneering new enhancers by GATA3: role of facilitating transcription factors and chromatin remodeling. *Nucleic acids research*, 53(11).

Mzoughi S, et al. (2025) Oncofetal reprogramming drives phenotypic plasticity in WNT-dependent colorectal cancer. *Nature genetics*, 57(2), 402.

Xu C, et al. (2024) Systematic dissection of sequence features affecting binding specificity of a pioneer factor reveals binding synergy between FOXA1 and AP-1. *Molecular cell*, 84(15), 2838.

Xu C, et al. (2023) Systematic Dissection of Sequence Features Affecting the Binding Specificity of a Pioneer Factor Reveals Binding Synergy Between FOXA1 and AP-1. *bioRxiv : the preprint server for biology*.

Huang YA, et al. (2017) ApoE2, ApoE3, and ApoE4 Differentially Stimulate APP Transcription and A β Secretion. *Cell*, 168(3), 427.

Ghouili F, et al. (2017) Cooperative regulation of Gja1 expression by members of the AP-1 family cJun and cFos in TM3 Leydig and TM4 Sertoli cells. *Gene*, 635, 24.

Tuvikene J, et al. (2016) AP-1 Transcription Factors Mediate BDNF-Positive Feedback Loop in Cortical Neurons. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 36(4), 1290.

Szymanska E, et al. (2016) Impaired dynamin 2 function leads to increased AP-1 transcriptional activity through the JNK/c-Jun pathway. *Cellular signalling*, 28(1), 160.

Banach-Orlowska M, et al. (2015) APPL1 endocytic adaptor as a fine tuner of Dvl2-induced transcription. *FEBS letters*, 589(4), 532.

Yokoyama K, et al. (2013) C-Fos regulation by the MAPK and PKC pathways in intervertebral disc cells. *PloS one*, 8(9), e73210.