

Resource Summary Report

Generated by [kravitz2](#) on Jul 31, 2026

CMV500 A-CREB

RRID:Addgene_33371

Type: Plasmid

Proper Citation

RRID:Addgene_33371

Plasmid Information

URL: <http://www.addgene.org/33371>

Proper Citation: RRID:Addgene_33371

Insert Name: CREB

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: A-CREB aa sequence: DYKDDDDK-

MASMTGGGQQMGRDPDLEQRAEELARENEELEKEAEELEQELAELENRVAVLENQNKTLEEELKALK

The first 8 aa encode for the FLAG tag, the next 13 aa are a ??10 protein sequence, the next 31 aa are the amphipathic acidic extension, and the final group of aa are the mouse CREB leucine zipper, which continues to the natural C terminus of the protein.

Plasmid Name: CMV500 A-CREB

Relevant Mutation: Dominant Negative (see notes)

Record Creation Time: 20220422T222145+0000

Record Last Update: 20260725T074558+0000

Ratings and Alerts

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

No alerts have been found for CMV500 A-CREB.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Lim WL, et al. (2024) CREB-regulated transcription during glycogen synthesis in astrocytes. Scientific reports, 14(1), 17942.

Esvald EE, et al. (2020) CREB Family Transcription Factors Are Major Mediators of BDNF Transcriptional Autoregulation in Cortical Neurons. The Journal of neuroscience : the official journal of the Society for Neuroscience, 40(7), 1405.

Choudhary SA, et al. (2019) A novel small molecule A2A adenosine receptor agonist, indirubin-3'-monoxime, alleviates lipid-induced inflammation and insulin resistance in 3T3-L1 adipocytes. The Biochemical journal, 476(16), 2371.

Khetchoumian K, et al. (2019) Pituitary cell translation and secretory capacities are enhanced cell autonomously by the transcription factor Creb3l2. Nature communications, 10(1), 3960.

Hewett SJ, et al. (2016) Spontaneous Glutamatergic Synaptic Activity Regulates Constitutive COX-2 Expression in Neurons: OPPOSING ROLES FOR THE TRANSCRIPTION FACTORS CREB (cAMP RESPONSE ELEMENT BINDING) PROTEIN AND Sp1 (STIMULATORY PROTEIN-1). The Journal of biological chemistry, 291(53), 27279.