

Resource Summary Report

Generated by [RRID](#) on Aug 24, 2026

pCAGGS-4EBP1 F113A

RRID:Addgene_81122

Type: Plasmid

Proper Citation

RRID:Addgene_81122

Plasmid Information

URL: <http://www.addgene.org/81122>

Proper Citation: RRID:Addgene_81122

Insert Name: 4EBP1 F113A

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:24139800](#)

Vector Backbone Description: Backbone Size:4802; Vector Backbone:pCAGGS; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: These plasmids were also used in the following publication "Normalizing translation through 4E-BP prevents mTOR-driven cortical mislamination and ameliorates aberrant neuron integration. Lin TV, Hsieh L, Kimura T, Malone TJ, Bordey A. Proc Natl Acad Sci U S A. 2016 Oct 4;113(40):11330-11335."

Plasmid Name: pCAGGS-4EBP1 F113A

Relevant Mutation: F113A mutation

Record Creation Time: 20220422T222528+0000

Record Last Update: 20260815T082044+0000

Ratings and Alerts

No rating or validation information has been found for pCAGGS-4EBP1 F113A.

No alerts have been found for pCAGGS-4EBP1 F113A.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Choi S, et al. (2022) The Role of Zinc in Axon Formation via the mTORC1 Pathway. Molecular neurobiology, 59(5), 3206.

Nguyen LH, et al. (2022) Expression of 4E-BP1 in juvenile mice alleviates mTOR-induced neuronal dysfunction and epilepsy. Brain : a journal of neurology, 145(4), 1310.