

Resource Summary Report

Generated by [dkNET](#) on Jul 29, 2026

pCAX APP C99

RRID:Addgene_30146

Type: Plasmid

Proper Citation

RRID:Addgene_30146

Plasmid Information

URL: <http://www.addgene.org/30146>

Proper Citation: RRID:Addgene_30146

Insert Name: APP C99

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:18160654](#)

Vector Backbone Description: Backbone Size:4731; Vector Backbone:pCAX; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: The insert contains an additional 83 amino acids of unknown composition on the n-terminus. It is unknown whether these amino acids affect plasmid function.

Plasmid Name: pCAX APP C99

Relevant Mutation: C-terminal from BACE site of APP

Record Creation Time: 20220422T222132+0000

Record Last Update: 20260725T074536+0000

Ratings and Alerts

No rating or validation information has been found for pCAX APP C99.

No alerts have been found for pCAX APP C99.

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 [dkNET](#) .

Strope TA, et al. (2025) Amyloid- β protein precursor modulates mitophagy and mitochondrial function through its cellular localization. *Journal of Alzheimer's disease : JAD*, 107(1), 277.

Rimal S, et al. (2021) Inefficient quality control of ribosome stalling during APP synthesis generates CAT-tailed species that precipitate hallmarks of Alzheimer's disease. *Acta neuropathologica communications*, 9(1), 169.

Manville RW, et al. (2021) The Amyloid Precursor Protein C99 Fragment Modulates Voltage-Gated Potassium Channels. *Cellular physiology and biochemistry : international journal of experimental cellular physiology, biochemistry, and pharmacology*, 55(S3), 157.

Canu N, et al. (2017) Association of TrkA and APP Is Promoted by NGF and Reduced by Cell Death-Promoting Agents. *Frontiers in molecular neuroscience*, 10, 15.

Swaminathan G, et al. (2016) BECN1/Beclin 1 sorts cell-surface APP/amyloid β precursor protein for lysosomal degradation. *Autophagy*, 12(12), 2404.