Resource Summary Report

Generated by dkNET on Sep 5, 2026

pCAX APP 695

RRID:Addgene_30137
Type: Plasmid

Proper Citation

RRID:Addgene_30137

Plasmid Information

URL: http://www.addgene.org/30137

Proper Citation: RRID:Addgene_30137

Insert Name: Amyloid Precursor Protein

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: PMID:18160654

Vector Backbone Description: Backbone Size:1380; Vector Backbone:pCAX; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pCAX APP 695

Relevant Mutation: wild type splice variant 695

Record Creation Time: 20220422T222132+0000

Record Last Update: 20260905T075456+0000

Ratings and Alerts

No rating or validation information has been found for pCAX APP 695.

No alerts have been found for pCAX APP 695.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 24 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

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

Martinez TP, et al. (2024) Amyloid-?-induced dendritic spine elimination requires Ca2+-permeable AMPA receptors, AKAP-Calcineurin-NFAT signaling, and the NFAT target gene Mdm2. eNeuro, 11(3).

Brandimarti R, et al. (2023) The US9-Derived Protein gPTB9TM Modulates APP Processing Without Targeting Secretase Activities. Molecular neurobiology, 60(4), 1811.

Piccarducci R, et al. (2023) Apolipoprotein E ?4 triggers neurotoxicity via cholesterol accumulation, acetylcholine dyshomeostasis, and PKC? mislocalization in cholinergic neuronal cells. Biochimica et biophysica acta. Molecular basis of disease, 1869(7), 166793.

Reinitz F, et al. (2022) Inhibiting USP16 rescues stem cell aging and memory in an Alzheimer's model. eLife, 11.

Wilkins HM, et al. (2022) Mitochondrial Membrane Potential Influences Amyloid-? Protein Precursor Localization and Amyloid-? Secretion. Journal of Alzheimer's disease : JAD, 85(1), 381.

Nowakowska-Go?acka J, et al. (2021) EDEM1 Regulates Amyloid Precursor Protein (APP) Metabolism and Amyloid-? Production. International journal of molecular sciences, 23(1).

Cone AS, et al. (2020) Alix and Syntenin-1 direct amyloid precursor protein trafficking into extracellular vesicles. BMC molecular and cell biology, 21(1), 58.

Montesinos J, et al. (2020) The Alzheimer's disease-associated C99 fragment of APP regulates cellular cholesterol trafficking. The EMBO journal, 39(20), e103791.

Iannuzzi F, et al. (2020) Fyn Tyrosine Kinase Elicits Amyloid Precursor Protein Tyr682 Phosphorylation in Neurons from Alzheimer's Disease Patients. Cells, 9(8).

Dinamarca MC, et al. (2019) Complex formation of APP with GABAB receptors links axonal trafficking to amyloidogenic processing. Nature communications, 10(1), 1331.

Velagapudi R, et al. (2018) Agathisflavone isolated from Anacardium occidentale suppresses SIRT1-mediated neuroinflammation in BV2 microglia and neurotoxicity in APPSwe-transfected SH-SY5Y cells. Phytotherapy research : PTR, 32(10), 1957.

Velagapudi R, et al. (2018) Activation of Nrf2 Pathway Contributes to Neuroprotection by the Dietary Flavonoid Tiliroside. Molecular neurobiology, 55(10), 8103.

Hayrabedyan S, et al. (2018) The core sequence of PIF competes for insulin/amyloid ? in insulin degrading enzyme: potential treatment for Alzheimer's disease. Oncotarget, 9(74), 33884.

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.

Hein LK, et al. (2017) A novel fluorescent probe reveals starvation controls the commitment of amyloid precursor protein to the lysosome. Biochimica et biophysica acta. Molecular cell research, 1864(10), 1554.

Brandimarti R, et al. (2017) The lipid raft-dwelling protein US9 can be manipulated to target APP compartmentalization, APP processing, and neurodegenerative disease pathogenesis. Scientific reports, 7(1), 15103.

Fisher CL, et al. (2017) Cyclic cis-Locked Phospho-Dipeptides Reduce Entry of A?PP into Amyloidogenic Processing Pathway. Journal of Alzheimer's disease : JAD, 55(1), 391.

Pahrudin Arrozi A, et al. (2017) Evaluation of the Expression of Amyloid Precursor Protein and the Ratio of Secreted Amyloid Beta 42 to Amyloid Beta 40 in SH-SY5Y Cells Stably Transfected with Wild-Type, Single-Mutant and Double-Mutant Forms of the APP Gene for the Study of Alzheimer's Disease Pathology. Applied biochemistry and biotechnology, 183(3), 853.

Manocha GD, et al. (2016) APP Regulates Microglial Phenotype in a Mouse Model of Alzheimer's Disease. The Journal of neuroscience : the official journal of the Society for Neuroscience, 36(32), 8471.