

Resource Summary Report

Generated by [NIF](#) on Sep 17, 2026

pAAV-CKIIa-stGtACR2-FusionRed

RRID:Addgene_105669

Type: Plasmid

Proper Citation

RRID:Addgene_105669

Plasmid Information

URL: <http://www.addgene.org/105669>

Proper Citation: RRID:Addgene_105669

Insert Name: stGtACR2

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:30297821](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5360; Vector Backbone:pAAV; Vector Types:Mammalian Expression, AAV; Bacterial Resistance:Ampicillin

Plasmid Name: pAAV-CKIIa-stGtACR2-FusionRed

Record Creation Time: 20220422T221513+0000

Record Last Update: 20260912T091418+0000

Ratings and Alerts

No rating or validation information has been found for pAAV-CKIIa-stGtACR2-FusionRed.

No alerts have been found for pAAV-CKIIa-stGtACR2-FusionRed.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

La Greca F, et al. (2026) Individual differences in prosocial learning are represented in the hippocampal dorsal CA1. *Nature neuroscience*, 29(7), 1667.

Zong W, et al. (2025) Hippocampal output suppresses orbitofrontal cortex schema cell formation. *Nature neuroscience*, 28(5), 1048.

Krall RF, et al. (2025) Primary auditory cortex is necessary for the acquisition and expression of categorical behavior. *Current biology : CB*, 35(17), 4061.

Tasaka GI, et al. (2025) Orbitofrontal cortex influences dopamine dynamics associated with alloparental behavioral acquisition in female mice. *Science advances*, 11(27), eadr4620.

Osako Y, et al. (2025) Reusable modular architecture enables flexible cognitive operations. *Research square*.

Krall RF, et al. (2024) Primary auditory cortex is necessary for the acquisition and expression of categorical behavior. *bioRxiv : the preprint server for biology*.

Wang Y, et al. (2024) A prefrontal motor circuit initiates persistent movement. *Nature communications*, 15(1), 5264.

Wang Y, et al. (2024) A prefrontal motor circuit initiates persistent movement. *bioRxiv : the preprint server for biology*.

Toth J, et al. (2024) Dynamic gating of perceptual flexibility by non-classically responsive cortical neurons. *Research square*.

Isaac J, et al. (2024) Sex differences in neural representations of social and nonsocial reward in the medial prefrontal cortex. *Nature communications*, 15(1), 8018.

Bellafard A, et al. (2024) Volatile working memory representations crystallize with practice. *Nature*, 629(8014), 1109.

Regalado JM, et al. (2024) Neural activity ramps in frontal cortex signal extended motivation during learning. *eLife*, 13.

Acharya AR, et al. (2023) In vivo inhibition of epileptiform afterdischarges in rat hippocampus by light-activated chloride channel, stGtACR2. *CNS neuroscience & therapeutics*, 29(3), 907.

Watkins de Jong L, et al. (2023) Optogenetics reveals paradoxical network stabilizations in hippocampal CA1 and CA3. *Current biology : CB*, 33(9), 1689.

Zutshi I, et al. (2023) Hippocampal sharp-wave ripples and their spike assembly content are regulated by the medial entorhinal cortex. *Current biology : CB*, 33(17), 3648.

Yadav N, et al. (2022) Prefrontal feature representations drive memory recall. Nature, 608(7921), 153.

Zutshi I, et al. (2022) Extrinsic control and intrinsic computation in the hippocampal CA1 circuit. Neuron, 110(4), 658.

Kirchberger L, et al. (2021) The essential role of recurrent processing for figure-ground perception in mice. Science advances, 7(27).

Vangeneugden J, et al. (2019) Activity in Lateral Visual Areas Contributes to Surround Suppression in Awake Mouse V1. Current biology : CB, 29(24), 4268.