Resource Summary Report

Generated by RRID on Aug 18, 2026

pCAG-Kir2.1-T2A-tdTomato

RRID:Addgene_60598
Type: Plasmid

Proper Citation

RRID:Addgene_60598

Plasmid Information

URL: http://www.addgene.org/60598

Proper Citation: RRID:Addgene_60598

Insert Name: Kir2.1-T2A-tdTomato

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: PMID:25043046

Vector Backbone Description: Backbone Size:5008; Vector Backbone:pCAG; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pCAG-Kir2.1-T2A-tdTomato

Record Creation Time: 20220422T222348+0000

Record Last Update: 20260815T081734+0000

Ratings and Alerts

No rating or validation information has been found for pCAG-Kir2.1-T2A-tdTomato.

No alerts have been found for pCAG-Kir2.1-T2A-tdTomato.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

Virga DM, et al. (2024) Activity-dependent compartmentalization of dendritic mitochondria morphology through local regulation of fusion-fission balance in neurons in vivo. Nature communications, 15(1), 2142.

Vijayan V, et al. (2023) A rise-to-threshold process for a relative-value decision. Nature, 619(7970), 563.

Ruddiman CA, et al. (2023) Polarized localization of phosphatidylserine in the endothelium regulates Kir2.1. JCI insight, 8(9).

Munz M, et al. (2023) Pyramidal neurons form active, transient, multilayered circuits perturbed by autism-associated mutations at the inception of neocortex. Cell, 186(9), 1930.

Roethler O, et al. (2023) Single genomic enhancers drive experience-dependent GABAergic plasticity to maintain sensory processing in the adult cortex. Neuron, 111(17), 2693.

Wang F, et al. (2023) Gliotransmission and adenosine signaling promote axon regeneration. Developmental cell, 58(8), 660.

Zhao R, et al. (2022) Activity disruption causes degeneration of entorhinal neurons in a mouse model of Alzheimer's circuit dysfunction. eLife, 11.

Trofimenko E, et al. (2021) Genetic, cellular, and structural characterization of the membrane potential-dependent cell-penetrating peptide translocation pore. eLife, 10.

Banerjee S, et al. (2021) Miniature neurotransmission is required to maintain Drosophila synaptic structures during ageing. Nature communications, 12(1), 4399.

Bugeon S, et al. (2021) Intrinsic Neuronal Activity during Migration Controls the Recruitment of Specific Interneuron Subtypes in the Postnatal Mouse Olfactory Bulb. The Journal of neuroscience : the official journal of the Society for Neuroscience, 41(12), 2630.

Stroud H, et al. (2020) An Activity-Mediated Transition in Transcription in Early Postnatal Neurons. Neuron, 107(5), 874.

Korrell KV, et al. (2019) Differential effect on myelination through abolition of activity-dependent synaptic vesicle release or reduction of overall electrical activity of selected cortical projections in the mouse. Journal of anatomy, 235(3), 452.

Page SC, et al. (2018) The schizophrenia- and autism-associated gene, transcription factor 4 regulates the columnar distribution of layer 2/3 prefrontal pyramidal neurons in an activity-dependent manner. Molecular psychiatry, 23(2), 304.

Li S, et al. (2016) Promoting axon regeneration in the adult CNS by modulation of the melanopsin/GPCR signaling. Proceedings of the National Academy of Sciences of the United States of America, 113(7), 1937.