

Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

pCAG_PSD95.FingR-eGFP-CCR5TC

RRID:Addgene_46295

Type: Plasmid

Proper Citation

RRID:Addgene_46295

Plasmid Information

URL: <http://www.addgene.org/46295>

Proper Citation: RRID:Addgene_46295

Insert Name: PSD95.FingR-eGFP-CCR5TC

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:23791193](#)

Vector Backbone Description: Backbone Size:4113; Vector Backbone:pCAG; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pCAG_PSD95.FingR-eGFP-CCR5TC

Record Creation Time: 20220422T222238+0000

Record Last Update: 20260725T074732+0000

Ratings and Alerts

No rating or validation information has been found for pCAG_PSD95.FingR-eGFP-CCR5TC.

No alerts have been found for pCAG_PSD95.FingR-eGFP-CCR5TC.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 34 mentions in open access literature.

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

Shah M, et al. (2025) Mitochondria structurally remodel near synapses to fuel the sustained energy demands of plasticity. *bioRxiv : the preprint server for biology*.

Brown CN, et al. (2025) CaMKII monomers are sufficient for GluN2B binding, co-condensation, and synaptic potentiation. *bioRxiv : the preprint server for biology*.

Chen X, et al. (2025) Endophilin A1 facilitates organization of the GABAergic postsynaptic machinery to maintain excitation-inhibition balance. *eLife*, 13.

Jia B, et al. (2025) Modulating synaptic glutamate receptors by targeting network nodes of the postsynaptic density condensate. *Molecular cell*, 85(16), 3166.

Pöplau JA, et al. (2024) Reorganization of adolescent prefrontal cortex circuitry is required for mouse cognitive maturation. *Neuron*, 112(3), 421.

Piers TM, et al. (2024) WNT7A-positive dendritic cytonemes control synaptogenesis in cortical neurons. *Development (Cambridge, England)*, 151(23).

Assendorp N, et al. (2024) CTNND2 moderates the pace of synaptic maturation and links human evolution to synaptic neoteny. *Cell reports*, 43(10), 114797.

Vieira MM, et al. (2024) A Frameshift Variant of GluN2A Identified in an Epilepsy Patient Results in NMDA Receptor Mistargeting. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 44(4).

Rimbault C, et al. (2024) Engineering paralog-specific PSD-95 recombinant binders as minimally interfering multimodal probes for advanced imaging techniques. *eLife*, 13.

Parker SS, et al. (2023) EVL and MIM/MTSS1 regulate actin cytoskeletal remodeling to promote dendritic filopodia in neurons. *The Journal of cell biology*, 222(5).

Tullis JE, et al. (2023) Distinct synaptic pools of DAPK1 differentially regulate activity-dependent synaptic CaMKII accumulation. *iScience*, 26(5), 106723.

Scheefhals N, et al. (2023) mGluR5 is transiently confined in perisynaptic nanodomains to shape synaptic function. *Nature communications*, 14(1), 244.

Bastian TW, et al. (2022) Choline Supplementation Partially Restores Dendrite Structural Complexity in Developing Iron-Deficient Mouse Hippocampal Neurons. *The Journal of nutrition*, 152(3), 747.

Brown CN, et al. (2022) A β -induced synaptic impairments require CaMKII activity that is stimulated by indirect signaling events. *iScience*, 25(6), 104368.

Zaccard CR, et al. (2021) Protocol for live enhanced resolution confocal imaging of dendritic spinule dynamics in primary mouse cortical neuron culture. *STAR protocols*, 2(2), 100427.

Mirabella F, et al. (2021) Prenatal interleukin 6 elevation increases glutamatergic synapse density and disrupts hippocampal connectivity in offspring. *Immunity*, 54(11), 2611.

Buonarati OR, et al. (2021) Conserved and divergent features of neuronal CaMKII holoenzyme structure, function, and high-order assembly. *Cell reports*, 37(13), 110168.

Willig KI, et al. (2021) Multi-label in vivo STED microscopy by parallelized switching of reversibly switchable fluorescent proteins. *Cell reports*, 35(9), 109192.

Zaccard CR, et al. (2020) Rapid 3D Enhanced Resolution Microscopy Reveals Diversity in Dendritic Spinule Dynamics, Regulation, and Function. *Neuron*, 107(3), 522.

Lin L, et al. (2020) The epilepsy and intellectual disability-associated protein TBC1D24 regulates the maintenance of excitatory synapses and animal behaviors. *PLoS genetics*, 16(1), e1008587.