

Resource Summary Report

Generated by [NIF](#) on Sep 5, 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: 20260905T075701+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 35 mentions in open access literature.

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

Choi YJ, et al. (2026) Motor learning and dopamine-dependent striatal synaptic plasticity are controlled by astrocytic MEGF10. *Nature communications*, 17(1).

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.

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

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

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).

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.

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.

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

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

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