

# Resource Summary Report

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

## pCAG\_GPHN.FingR-eGFP-CCR5TC

RRID:Addgene\_46296

Type: Plasmid

### Proper Citation

RRID:Addgene\_46296

### Plasmid Information

**URL:** <http://www.addgene.org/46296>

**Proper Citation:** RRID:Addgene\_46296

**Insert Name:** GPHN.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\_GPHN.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\_GPHN.FingR-eGFP-CCR5TC.

No alerts have been found for pCAG\_GPHN.FingR-eGFP-CCR5TC.

### Data and Source Information

**Source:** [Addgene](#)

### Usage and Citation Metrics

We found 22 mentions in open access literature.

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

Lee J, et al. (2025) Bright and photostable yellow fluorescent proteins for extended imaging. *Nature communications*, 16(1), 3241.

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

Welle TM, et al. (2024) miRNA-mediated control of gephyrin synthesis drives sustained inhibitory synaptic plasticity. *EMBO reports*, 25(11), 5141.

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

Olah SS, et al. (2023) Acute reorganization of postsynaptic GABAA receptors reveals the functional impact of molecular nanoarchitecture at inhibitory synapses. *Cell reports*, 42(11), 113331.

Côme E, et al. (2023) Lateral Diffusion of NKCC1 Contributes to Chloride Homeostasis in Neurons and Is Rapidly Regulated by the WNK Signaling Pathway. *Cells*, 12(3).

Pol E, et al. (2023) NKCC1 and KCC2 Chloride Transporters Have Different Membrane Dynamics on the Surface of Hippocampal Neurons. *Cells*, 12(19).

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

Merlaud Z, et al. (2022) Conformational state-dependent regulation of GABAA receptor diffusion and subsynaptic domains. *iScience*, 25(11), 105467.

Ruiz-Reig N, et al. (2022) Inhibitory synapse dysfunction and epileptic susceptibility associated with KIF2A deletion in cortical interneurons. *Frontiers in molecular neuroscience*, 15, 1110986.

Halff EF, et al. (2022) Phosphorylation of neuroligin-2 by PKA regulates its cell surface abundance and synaptic stabilization. *Science signaling*, 15(739), eabg2505.

Chifor A, et al. (2022) NMDA receptor-targeted enrichment of CaMKII $\gamma$  improves fear memory. *iScience*, 25(8), 104864.

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

Rajgor D, et al. (2020) Local miRNA-Dependent Translational Control of GABAAR Synthesis during Inhibitory Long-Term Potentiation. *Cell reports*, 31(12), 107785.

Fossati M, et al. (2019) Trans-Synaptic Signaling through the Glutamate Receptor Delta-1 Mediates Inhibitory Synapse Formation in Cortical Pyramidal Neurons. *Neuron*, 104(6), 1081.

Cook SG, et al. (2019) Simultaneous Live Imaging of Multiple Endogenous Proteins Reveals a Mechanism for Alzheimer's-Related Plasticity Impairment. *Cell reports*, 27(3), 658.

Zhang X, et al. (2019) HIV gp120-induced neuroinflammation potentiates NMDA receptors to overcome basal suppression of inhibitory synapses by p38 MAPK. *Journal of neurochemistry*, 148(4), 499.

Crosby KC, et al. (2019) Nanoscale Subsynaptic Domains Underlie the Organization of the Inhibitory Synapse. *Cell reports*, 26(12), 3284.

Viale B, et al. (2019) Transient Deregulation of Canonical Wnt Signaling in Developing Pyramidal Neurons Leads to Dendritic Defects and Impaired Behavior. *Cell reports*, 27(5), 1487.

Wang Y, et al. (2018) Critical roles of  $\beta$ II spectrin in brain development and epileptic encephalopathy. *The Journal of clinical investigation*, 128(2), 760.