

Resource Summary Report

Generated by [RRID](#) on Aug 19, 2026

[pCI-SEP GluR2\(R\)](#)

RRID:Addgene_24001

Type: Plasmid

Proper Citation

RRID:Addgene_24001

Plasmid Information

URL: <http://www.addgene.org/24001>

Proper Citation: RRID:Addgene_24001

Insert Name: GluR2

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:16481433](#)

Vector Backbone Description: Backbone Size:4000; Vector Backbone:pCI; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pCI-SEP GluR2(R)

Record Creation Time: 20220422T222107+0000

Record Last Update: 20260815T081227+0000

Ratings and Alerts

No rating or validation information has been found for pCI-SEP GluR2(R).

No alerts have been found for pCI-SEP GluR2(R).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Moretto E, et al. (2023) The tetraspanin TSPAN5 regulates AMPAR exocytosis by interacting with the AP4 complex. *eLife*, 12.

González-Calvo I, et al. (2021) Sushi domain-containing protein 4 controls synaptic plasticity and motor learning. *eLife*, 10.

Woo DH, et al. (2020) Inhibitors of synaptic vesicle exocytosis reduce surface expression of postsynaptic glutamate receptors. *Animal cells and systems*, 24(6), 341.

Hollos P, et al. (2020) Optogenetic Control of Spine-Head JNK Reveals a Role in Dendritic Spine Regression. *eNeuro*, 7(1).

Perez-Alvarez A, et al. (2020) Endoplasmic reticulum visits highly active spines and prevents runaway potentiation of synapses. *Nature communications*, 11(1), 5083.

Dai W, et al. (2019) The Impact and Mechanism of a Novel Allosteric AMPA Receptor Modulator LCX001 on Protection Against Respiratory Depression in Rodents. *Frontiers in pharmacology*, 10, 105.

Davenport EC, et al. (2019) Autism and Schizophrenia-Associated CYFIP1 Regulates the Balance of Synaptic Excitation and Inhibition. *Cell reports*, 26(8), 2037.

Wagner W, et al. (2019) Myosin VI Drives Clathrin-Mediated AMPA Receptor Endocytosis to Facilitate Cerebellar Long-Term Depression. *Cell reports*, 28(1), 11.

Ruhl DA, et al. (2019) Synaptotagmin 17 controls neurite outgrowth and synaptic physiology via distinct cellular pathways. *Nature communications*, 10(1), 3532.

Zhu M, et al. (2018) Parkinson's disease-linked Parkin mutations impair glutamatergic signaling in hippocampal neurons. *BMC biology*, 16(1), 100.

Modi S, et al. (2018) Quantum dot conjugated nanobodies for multiplex imaging of protein dynamics at synapses. *Nanoscale*, 10(21), 10241.

Fossati M, et al. (2016) SRGAP2 and Its Human-Specific Paralog Co-Regulate the Development of Excitatory and Inhibitory Synapses. *Neuron*, 91(2), 356.

Brown JC, et al. (2016) Bidirectional regulation of synaptic transmission by BRAG1/IQSEC2 and its requirement in long-term depression. *Nature communications*, 7, 11080.