Resource Summary Report

Generated by RRID on Aug 18, 2026

pCI-SEP-NRI

RRID:Addgene_23999
Type: Plasmid

Proper Citation

RRID:Addgene_23999

Plasmid Information

URL: http://www.addgene.org/23999

Proper Citation: RRID:Addgene_23999

Insert Name: NR1

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

Comments: The super-ecliptic pHluorin (SEP) coding sequence was inserted three amino acids downstream of the predicted signal peptide cleavage site.

Plasmid Name: pCI-SEP-NRI

Record Creation Time: 20220422T222107+0000

Record Last Update: 20260815T081228+0000

Ratings and Alerts

No rating or validation information has been found for pCI-SEP-NRI.

No alerts have been found for pCI-SEP-NRI.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Eom Y, et al. (2026) Prenatal exposure to particulate matter impairs offspring behavior via hippocampal NMDA receptor reduction: an in vivo and ex vivo study. Environment international, 211, 110270.

Elmasri M, et al. (2022) Common synaptic phenotypes arising from diverse mutations in the human NMDA receptor subunit GluN2A. Communications biology, 5(1), 174.

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

Cappelli J, et al. (2022) Glycine-induced NMDA receptor internalization provides neuroprotection and preserves vasculature following ischemic stroke. iScience, 25(1), 103539.

Li S, et al. (2021) Asynchronous release sites align with NMDA receptors in mouse hippocampal synapses. Nature communications, 12(1), 677.

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

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

Wang N, et al. (2014) Active calcium/calmodulin-dependent protein kinase II (CaMKII) regulates NMDA receptor mediated postischemic long-term potentiation (i-LTP) by promoting the interaction between CaMKII and NMDA receptors in ischemia. Neural plasticity, 2014, 827161.

Hodges JL, et al. (2014) ?-Actinin-2 mediates spine morphology and assembly of the post-synaptic density in hippocampal neurons. PloS one, 9(7), e101770.