

Resource Summary Report

Generated by [NIF](#) on Sep 19, 2026

pCI-EGFP-NR2a wt

RRID:Addgene_45445

Type: Plasmid

Proper Citation

RRID:Addgene_45445

Plasmid Information

URL: <http://www.addgene.org/45445>

Proper Citation: RRID:Addgene_45445

Insert Name: NR2A

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:12160751](#)

Vector Backbone Description: Backbone Marker:Promega; Backbone Size:4006; Vector Backbone:pCI; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pCI-EGFP-NR2a wt

Relevant Mutation: EGFP inserted after the predicted signal peptide cleavage site (after amino acid residue 21)

Record Creation Time: 20220422T222234+0000

Record Last Update: 20260919T091851+0000

Ratings and Alerts

No rating or validation information has been found for pCI-EGFP-NR2a wt.

No alerts have been found for pCI-EGFP-NR2a wt.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Beesley S, et al. (2023) Visualizing the triheteromeric N-methyl-D-aspartate receptor subunit composition. *Frontiers in synaptic neuroscience*, 15, 1156777.

Angelini C, et al. (2022) p140Cap Regulates the Composition and Localization of the NMDAR Complex in Synaptic Lipid Rafts. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 42(38), 7183.

Zhang ZY, et al. (2020) Ubiquitination and functional modification of GluN2B subunit-containing NMDA receptors by Cbl-b in the spinal cord dorsal horn. *Science signaling*, 13(638).

Yang L, et al. (2018) Disruption of SHP1/NMDA receptor signaling in spinal cord dorsal horn alleviated inflammatory pain. *Neuropharmacology*, 137, 104.

Tindi JO, et al. (2015) ANKS1B Gene Product AIDA-1 Controls Hippocampal Synaptic Transmission by Regulating GluN2B Subunit Localization. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 35(24), 8986.