

Resource Summary Report

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

pCI-EGFP-NR1 wt

RRID:Addgene_45446

Type: Plasmid

Proper Citation

RRID:Addgene_45446

Plasmid Information

URL: <http://www.addgene.org/45446>

Proper Citation: RRID:Addgene_45446

Insert Name: NR1

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-NR1 wt

Relevant Mutation: EGFP inserted after the predicted signal peptide cleavage site (after amino acid residue 26)

Record Creation Time: 20220422T222234+0000

Record Last Update: 20260912T092737+0000

Ratings and Alerts

No rating or validation information has been found for pCI-EGFP-NR1 wt.

No alerts have been found for pCI-EGFP-NR1 wt.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

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.

Rosendo-Pineda MJ, et al. (2020) Phosphorylation of NMDA receptors by cyclin B/CDK1 modulates calcium dynamics and mitosis. Communications biology, 3(1), 665.

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).

Washburn HR, et al. (2020) Positive surface charge of GluN1 N-terminus mediates the direct interaction with EphB2 and NMDAR mobility. Nature communications, 11(1), 570.

Lu X, et al. (2019) The second PDZ domain of scaffold protein Frmpd2 binds to GluN2A of NMDA receptors. Biochemical and biophysical research communications, 516(1), 63.

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

Sequerra EB, et al. (2018) NMDA Receptor Signaling Is Important for Neural Tube Formation and for Preventing Antiepileptic Drug-Induced Neural Tube Defects. The Journal of neuroscience : the official journal of the Society for Neuroscience, 38(20), 4762.