

# Resource Summary Report

Generated by [RRID](#) on Aug 20, 2026

## ChR2-YFP-NavII-III

RRID:Addgene\_26057

Type: Plasmid

### Proper Citation

RRID:Addgene\_26057

### Plasmid Information

**URL:** <http://www.addgene.org/26057>

**Proper Citation:** RRID:Addgene\_26057

**Insert Name:** NavII-III

**Organism:** Rattus norvegicus

**Bacterial Resistance:** Ampicillin

**Defining Citation:** [PMID:21048938](#)

**Vector Backbone Description:** Backbone Marker:Addgene plasmid 20945; Backbone Size:10093; Vector Backbone:pLenti-Synapsin-hChR2(H134R)-EYFP-WPRE; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

**Plasmid Name:** ChR2-YFP-NavII-III

**Record Creation Time:** 20220422T222116+0000

**Record Last Update:** 20260815T081248+0000

### Ratings and Alerts

No rating or validation information has been found for ChR2-YFP-NavII-III.

No alerts have been found for ChR2-YFP-NavII-III.

### Data and Source Information

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

### Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Cho J, et al. (2025) Optogenetic calcium modulation in astrocytes enhances post-stroke recovery in chronic capsular infarct. Science advances, 11(5), eadn7577.

Dumitrescu AS, et al. (2016) Evaluating Tools for Live Imaging of Structural Plasticity at the Axon Initial Segment. Frontiers in cellular neuroscience, 10, 268.