

Resource Summary Report

Generated by [RRID](#) on Aug 18, 2026

mCardinal-N1

RRID:Addgene_54590

Type: Plasmid

Proper Citation

RRID:Addgene_54590

Plasmid Information

URL: <http://www.addgene.org/54590>

Proper Citation: RRID:Addgene_54590

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:24633408](#)

Vector Backbone Description: Backbone Size:4750; Vector Backbone:mCardinal-N1;
Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: mNeptune3 renamed mCardinal . Excitation = 604; Emission = 659

Plasmid Name: mCardinal-N1

Record Creation Time: 20220422T222319+0000

Record Last Update: 20260815T081641+0000

Ratings and Alerts

No rating or validation information has been found for mCardinal-N1.

No alerts have been found for mCardinal-N1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Martínez-Mármol R, et al. (2023) Fyn nanoclustering requires switching to an open conformation and is enhanced by FTLD-Tau biomolecular condensates. *Molecular psychiatry*, 28(2), 946.

Longfield SF, et al. (2023) Tau forms synaptic nano-biomolecular condensates controlling the dynamic clustering of recycling synaptic vesicles. *Nature communications*, 14(1), 7277.

North K, et al. (2022) Synthetic introns enable splicing factor mutation-dependent targeting of cancer cells. *Nature biotechnology*, 40(7), 1103.

Babakhanova S, et al. (2022) Rapid directed molecular evolution of fluorescent proteins in mammalian cells. *Protein science : a publication of the Protein Society*, 31(3), 728.

Yang JM, et al. (2021) Deciphering cell signaling networks with massively multiplexed biosensor barcoding. *Cell*, 184(25), 6193.

Padmanabhan P, et al. (2019) Frontotemporal dementia mutant Tau promotes aberrant Fyn nanoclustering in hippocampal dendritic spines. *eLife*, 8.

Conrad SJ, et al. (2018) Attenuation of Marek's disease virus by codon pair deoptimization of a core gene. *Virology*, 516, 219.

St-Georges-Robillard A, et al. (2018) Fluorescence hyperspectral imaging for live monitoring of multiple spheroids in microfluidic chips. *The Analyst*, 143(16), 3829.

Dunsing V, et al. (2017) Direct evidence of amyloid precursor-like protein 1 trans interactions in cell-cell adhesion platforms investigated via fluorescence fluctuation spectroscopy. *Molecular biology of the cell*, 28(25), 3609.

Lewis TL, et al. (2016) Progressive Decrease of Mitochondrial Motility during Maturation of Cortical Axons In Vitro and In Vivo. *Current biology : CB*, 26(19), 2602.