

Resource Summary Report

Generated by [kravitz2](#) on Aug 26, 2026

mIFP-N1

RRID:Addgene_54620

Type: Plasmid

Proper Citation

RRID:Addgene_54620

Plasmid Information

URL: <http://www.addgene.org/54620>

Proper Citation: RRID:Addgene_54620

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:26098020](https://pubmed.ncbi.nlm.nih.gov/26098020/)

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

Comments: . Excitation = 683; Emission = 704

Plasmid Name: mIFP-N1

Record Creation Time: 20220422T222319+0000

Record Last Update: 20260815T081641+0000

Ratings and Alerts

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

No alerts have been found for mIFP-N1.

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 [kravitz2](#) .

Rimbault C, et al. (2024) Engineering paralog-specific PSD-95 recombinant binders as minimally interfering multimodal probes for advanced imaging techniques. *eLife*, 13.

Truong ME, et al. (2021) Vertebrate cells differentially interpret ciliary and extraciliary cAMP. *Cell*, 184(11), 2911.

Matlashov ME, et al. (2020) A set of monomeric near-infrared fluorescent proteins for multicolor imaging across scales. *Nature communications*, 11(1), 239.

Cook ZT, et al. (2019) Combining near-infrared fluorescence with Brainbow to visualize expression of specific genes within a multicolor context. *Molecular biology of the cell*, 30(4), 491.

Qian Y, et al. (2019) A genetically encoded near-infrared fluorescent calcium ion indicator. *Nature methods*, 16(2), 171.

Shcherbakova DM, et al. (2018) Direct multiplex imaging and optogenetics of Rho GTPases enabled by near-infrared FRET. *Nature chemical biology*, 14(6), 591.

Dovrat D, et al. (2018) A Live-Cell Imaging Approach for Measuring DNA Replication Rates. *Cell reports*, 24(1), 252.

Shemetov AA, et al. (2017) How to Increase Brightness of Near-Infrared Fluorescent Proteins in Mammalian Cells. *Cell chemical biology*, 24(6), 758.

Shcherbakova DM, et al. (2016) Bright monomeric near-infrared fluorescent proteins as tags and biosensors for multiscale imaging. *Nature communications*, 7, 12405.