

# Resource Summary Report

Generated by [kravitz2](#) on Aug 10, 2026

## sfGFP-N1

RRID:Addgene\_54737

Type: Plasmid

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### Proper Citation

RRID:Addgene\_54737

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### Plasmid Information

**URL:** <http://www.addgene.org/54737>

**Proper Citation:** RRID:Addgene\_54737

**Bacterial Resistance:** Kanamycin

**Defining Citation:** [PMID:16369541](https://pubmed.ncbi.nlm.nih.gov/16369541/)

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

**Comments:** Clontech EGFP + S30R-Y39N-Q804-F99S-N105T-Y145F-M153T-V163A-I171V-A206V-L231H. Excitation = 485; Emission = 507

**Plasmid Name:** sfGFP-N1

**Record Creation Time:** 20220422T222320+0000

**Record Last Update:** 20260808T081833+0000

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### Ratings and Alerts

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

No alerts have been found for sfGFP-N1.

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### Data and Source Information

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

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### Usage and Citation Metrics

We found 21 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [kravitz2](#) .

Lorenzini F, et al. (2025) Melanoma innervation, noradrenaline and cancer progression in zebrafish xenograft model. *Cell death discovery*, 11(1), 260.

Nakao M, et al. (2024) Mode of SUV420H2 heterochromatin localization through multiple HP1 binding motifs in the heterochromatic targeting module. *Genes to cells : devoted to molecular & cellular mechanisms*, 29(5), 361.

Goto N, et al. (2024) ISWI chromatin remodeling complexes recruit NSD2 and H3K36me2 in pericentromeric heterochromatin. *The Journal of cell biology*, 223(8).

Ravindran P, et al. (2023) An isoform-specific function of Cdc42 in regulating mammalian Exo70 during axon formation. *Life science alliance*, 6(3).

Rosa JB, et al. (2023) Sensory axons induce epithelial lipid microdomain remodeling and determine the distribution of junctions in the epidermis. *Molecular biology of the cell*, 34(1), ar5.

Taffoni C, et al. (2023) DNA damage repair kinase DNA-PK and cGAS synergize to induce cancer-related inflammation in glioblastoma. *The EMBO journal*, 42(7), e111961.

Uchino S, et al. (2022) Live imaging of transcription sites using an elongating RNA polymerase II-specific probe. *The Journal of cell biology*, 221(2).

Ohishi H, et al. (2022) STREAMING-tag system reveals spatiotemporal relationships between transcriptional regulatory factors and transcriptional activity. *Nature communications*, 13(1), 7672.

Jussila M, et al. (2022) Live imaging and conditional disruption of native PCP activity using endogenously tagged zebrafish sfGFP-Vangl2. *Nature communications*, 13(1), 5598.

Hall R, et al. (2022) SARS-CoV-2 ORF6 disrupts innate immune signalling by inhibiting cellular mRNA export. *PLoS pathogens*, 18(8), e1010349.

Hsu HT, et al. (2022) Premature translation termination mediated non-ER stress induced ATF6 activation by a ligand-dependent ribosomal frameshifting circuit. *Nucleic acids research*, 50(9), 5369.

Kubitschke M, et al. (2022) Next generation genetically encoded fluorescent sensors for serotonin. *Nature communications*, 13(1), 7525.

Tjalsma SJD, et al. (2021) H4K20me1 and H3K27me3 are concurrently loaded onto the inactive X chromosome but dispensable for inducing gene silencing. *EMBO reports*, 22(3), e51989.

Chow RD, et al. (2021) A web tool for the design of prime-editing guide RNAs. *Nature biomedical engineering*, 5(2), 190.

Wang S, et al. (2021) Spatially resolved cell polarity proteomics of a human epiblast model. *Science advances*, 7(17).

Hecht TK, et al. (2020) Fam20C regulates protein secretion by Cab45 phosphorylation. *The Journal of cell biology*, 219(6).

Ehnert S, et al. (2020) Use of in vitro bone models to screen for altered bone metabolism, osteopathies, and fracture healing: challenges of complex models. *Archives of toxicology*, 94(12), 3937.

Küey C, et al. (2019) Unintended perturbation of protein function using GFP nanobodies in human cells. *Journal of cell science*, 132(21).

Ramadani-Muja J, et al. (2019) Visualization of Sirtuin 4 Distribution between Mitochondria and the Nucleus, Based on Bimolecular Fluorescence Self-Complementation. *Cells*, 8(12).

Niescier RF, et al. (2018) MCU Interacts with Miro1 to Modulate Mitochondrial Functions in Neurons. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 38(20), 4666.