

Resource Summary Report

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

mEmerald-N1

RRID:Addgene_53976

Type: Plasmid

Proper Citation

RRID:Addgene_53976

Plasmid Information

URL: <http://www.addgene.org/53976>

Proper Citation: RRID:Addgene_53976

Bacterial Resistance: Kanamycin

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

Comments: wtGFP + F64L; S65T; S72A; N149K; M153T; I167T; A206K. Excitation = 487; Emission = 509. Localization data: N1 Cloning Vector

Plasmid Name: mEmerald-N1

Record Creation Time: 20220422T222316+0000

Record Last Update: 20260815T081635+0000

Ratings and Alerts

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

No alerts have been found for mEmerald-N1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 21 mentions in open access literature.

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

Kang H, et al. (2025) Enhanced engraftment and immunomodulatory effects of integrin alpha-2-overexpressing mesenchymal stromal cells in lipopolysaccharide-induced acute lung injury. *Stem cell research & therapy*, 16(1), 286.

Radhakrishnan P, et al. (2025) *Listeria monocytogenes* cell-to-cell spread bypasses nutrient limitation for replicating intracellular bacteria. *bioRxiv : the preprint server for biology*.

Kondrychyn I, et al. (2025) Combined forces of hydrostatic pressure and actin polymerization drive endothelial tip cell migration and sprouting angiogenesis. *eLife*, 13.

Liebau RC, et al. (2024) Transcription-Coupled Repair of DNA Interstrand Crosslinks by UVSSA. *bioRxiv : the preprint server for biology*.

Foran G, et al. (2024) Notch1 Phase Separation Coupled Percolation facilitates target gene expression and enhancer looping. *bioRxiv : the preprint server for biology*.

Foran G, et al. (2024) Notch1 Phase Separation Coupled Percolation facilitates target gene expression and enhancer looping. *Scientific reports*, 14(1), 21912.

Clemens DJ, et al. (2023) SARS-CoV-2 spike protein-mediated cardiomyocyte fusion may contribute to increased arrhythmic risk in COVID-19. *PloS one*, 18(3), e0282151.

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

Lyu S, et al. (2022) GPR108 is required for gambogic acid inhibiting NF- κ B signaling in cancer. *Pharmacological research*, 182, 106279.

Wang B, et al. (2022) Neddylation is essential for β -catenin degradation in Wnt signaling pathway. *Cell reports*, 38(12), 110538.

Iwashita J, et al. (2021) Integrin β 1 subunit regulates cellular and secreted MUC5AC and MUC5B production in NCI-H292 human lung epithelial cells. *Biochemistry and biophysics reports*, 28, 101124.

Feliciano D, et al. (2021) YAP1 nuclear efflux and transcriptional reprogramming follow membrane diminution upon VSV-G-induced cell fusion. *Nature communications*, 12(1), 4502.

Navaratnarajah CK, et al. (2021) Highly Efficient SARS-CoV-2 Infection of Human Cardiomyocytes: Spike Protein-Mediated Cell Fusion and Its Inhibition. *Journal of virology*, 95(24), e0136821.

Willy NM, et al. (2021) De novo endocytic clathrin coats develop curvature at early stages of their formation. *Developmental cell*, 56(22), 3146.

Hoffman DP, et al. (2020) Correlative three-dimensional super-resolution and block-face electron microscopy of whole vitreously frozen cells. *Science (New York, N.Y.)*, 367(6475).

McCann JV, et al. (2020) Reporter mice for isolating and auditing cell type-specific extracellular vesicles in vivo. *Genesis (New York, N.Y. : 2000)*, 58(7), e23369.

Chen Z, et al. (2020) Connexin32 ameliorates renal fibrosis in diabetic mice by promoting K48-linked NADPH oxidase 4 polyubiquitination and degradation. *British journal of pharmacology*, 177(1), 145.

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

Qu X, et al. (2019) Activity-Dependent Nucleation of Dynamic Microtubules at Presynaptic Boutons Controls Neurotransmission. *Current biology : CB*, 29(24), 4231.

Feliciano D, et al. (2018) Triggered Cell-Cell Fusion Assay for Cytoplasmic and Organelle Intermixing Studies. *Current protocols in cell biology*, 81(1), e61.