

Resource Summary Report

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

[mEGFP-C1](#)

RRID:Addgene_54759

Type: Plasmid

Proper Citation

RRID:Addgene_54759

Plasmid Information

URL: <http://www.addgene.org/54759>

Proper Citation: RRID:Addgene_54759

Bacterial Resistance: Kanamycin

Vector Backbone Description: Backbone Size:4750; Vector Backbone:mEGFP-C1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: A206K mutation. Excitation = 488; Emission = 507. CMV-F and SV40pA-R primers are recommended. The EGFP-C primer is NOT recommended due to nonspecific binding.

Plasmid Name: mEGFP-C1

Record Creation Time: 20220422T222320+0000

Record Last Update: 20260815T081643+0000

Ratings and Alerts

No rating or validation information has been found for mEGFP-C1.

No alerts have been found for mEGFP-C1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 45 mentions in open access literature.

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

Iu E, et al. (2026) A TRPV4-dependent calcium signaling axis regulates lamellipodial actin architecture to promote cell migration. *Current biology* : CB, 36(4), 995.

Sahota A, et al. (2025) Spatial and Temporal Single-Cell Profiling of RNA Compartmentalization in Neurons with Nanotweezers. *ACS nano*, 19(19), 18522.

Pachmayr I, et al. (2025) Resolving the structural basis of therapeutic antibody function in cancer immunotherapy with RESI. *Nature communications*, 16(1), 6768.

Wang Y, et al. (2025) Programmable solid-state condensates for spatiotemporal control of mammalian gene expression. *Nature chemical biology*, 21(9), 1457.

Martins CS, et al. (2025) Genetically encoded reporters of actin filament organization in living cells and tissues. *Cell*, 188(9), 2540.

Nie J, et al. (2025) A globular protein exhibits rare phase behavior and forms chemically regulated orthogonal condensates in cells. *Nature communications*, 16(1), 2449.

Takagishi M, et al. (2024) Motor protein Kif6 regulates cilia motility and polarity in brain ependymal cells. *Disease models & mechanisms*, 17(2).

Obara CJ, et al. (2024) Motion of VAPB molecules reveals ER-mitochondria contact site subdomains. *Nature*, 626(7997), 169.

Xia W, et al. (2024) Obesity causes mitochondrial fragmentation and dysfunction in white adipocytes due to RalA activation. *Nature metabolism*, 6(2), 273.

Baro L, et al. (2024) Tumor invasiveness is regulated by the concerted function of APC, formins, and Arp2/3 complex. *iScience*, 27(5), 109687.

Cisterna BA, et al. (2024) Prolonged depletion of profilin 1 or F-actin causes an adaptive response in microtubules. *The Journal of cell biology*, 223(7).

Rivera J, et al. (2024) Phylogenomic, structural, and cell biological analyses reveal that *Stenotrophomonas maltophilia* replicates in acidified Rab7A-positive vacuoles of *Acanthamoeba castellanii*. *Microbiology spectrum*, 12(3), e0298823.

Liboy-Lugo JM, et al. (2024) Protein-protein interactions with G3BPs drive stress granule condensation and gene expression changes under cellular stress. *bioRxiv : the preprint server for biology*.

Kristenson L, et al. (2024) Deletion of the TMEM30A gene enables leukemic cell evasion of NK cell cytotoxicity. *Proceedings of the National Academy of Sciences of the United States of America*, 121(15), e2316447121.

Ajiki M, et al. (2024) ORP9-PH domain-based fluorescent reporters for visualizing phosphatidylinositol 4-phosphate dynamics in living cells. *RSC chemical biology*, 5(6), 544.

Read TA, et al. (2024) The actin binding protein profilin 1 localizes inside mitochondria and is critical for their function. EMBO reports, 25(8), 3240.

Hussein BA, et al. (2023) NKG2A gene variant predicts outcome of immunotherapy in AML and modulates the repertoire and function of NK cells. Journal for immunotherapy of cancer, 11(8).

Xia W, et al. (2023) Obesity-dependent increase in RalA activity disrupts mitochondrial dynamics in white adipocytes. Research square.

Cisterna BA, et al. (2023) Cytoskeletal adaptation following long-term dysregulation of actomyosin in neuronal processes. bioRxiv : the preprint server for biology.

Baro L, et al. (2023) APC-driven actin nucleation powers collective cell dynamics in colorectal cancer cells. iScience, 26(5), 106583.