

Resource Summary Report

Generated by [RRID](#) on Aug 19, 2026

mEGFP-Lifeact-7

RRID:Addgene_54610

Type: Plasmid

Proper Citation

RRID:Addgene_54610

Plasmid Information

URL: <http://www.addgene.org/54610>

Proper Citation: RRID:Addgene_54610

Insert Name: Lifeact-mEGFP

Bacterial Resistance: Kanamycin

Vector Backbone Description: Backbone Size:4800; Vector Backbone:mEGFP-Lifeact;
Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: . Excitation = 488; Emission = 507

Plasmid Name: mEGFP-Lifeact-7

Record Creation Time: 20220422T222319+0000

Record Last Update: 20260815T081641+0000

Ratings and Alerts

No rating or validation information has been found for mEGFP-Lifeact-7.

No alerts have been found for mEGFP-Lifeact-7.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 38 mentions in open access literature.

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

Liu J, et al. (2026) Using rotational integration of oblique interferometric scattering to track axial spatiotemporal responses of tubular membrane protrusions. *Nature communications*, 17(1).

Bathe-Peters M, et al. (2026) Effects of altered gravity on adrenergic-mediated cAMP signalling in intact cells. *NPJ microgravity*, 12(1).

Choi SH, et al. (2025) ELK3-CYFIP2 axis-mediated actin remodeling modulates metastasis and natural killer cell responses in triple-negative breast cancer. *Journal of experimental & clinical cancer research* : CR, 44(1), 48.

Tyler JJ, et al. (2025) A role for class I p21-activated kinases in the regulation of the excitability of the actin cytoskeleton. *Journal of cell science*, 138(12).

Caillier A, et al. (2024) T cells use focal adhesions to pull themselves through confined environments. *The Journal of cell biology*, 223(10).

Ing-Esteves S, et al. (2024) Gamma-protocadherins regulate dendrite self-recognition and dynamics to drive self-avoidance. *Current biology* : CB, 34(18), 4224.

Küster L, et al. (2023) The actin bundling activity of ITPKA mainly accounts for its migration-promoting effect in lung cancer cells. *Bioscience reports*, 43(2).

Han Y, et al. (2023) Three-dimensional multi-color optical nanoscopy at sub-10-nm resolution based on small-molecule organic probes. *Cell reports methods*, 3(9), 100556.

Xie C, et al. (2022) Reversal of ciliary mechanisms of disassembly rescues olfactory dysfunction in ciliopathies. *JCI insight*, 7(15).

Hylton RK, et al. (2022) Cofilactin filaments regulate filopodial structure and dynamics in neuronal growth cones. *Nature communications*, 13(1), 2439.

Leijnse N, et al. (2022) Filopodia rotate and coil by actively generating twist in their actin shaft. *Nature communications*, 13(1), 1636.

Burton KM, et al. (2021) Distinct forms of the actin cross-linking protein γ -actinin support macropinosome internalization and trafficking. *Molecular biology of the cell*, 32(15), 1393.

Dumaine JE, et al. (2021) The enteric pathogen *Cryptosporidium parvum* exports proteins into the cytosol of the infected host cell. *eLife*, 10.

Wen G, et al. (2021) High-fidelity structured illumination microscopy by point-spread-function engineering. *Light, science & applications*, 10(1), 70.

Dhanda AS, et al. (2021) mDia1 Assembles a Linear F-Actin Coat at Membrane Invaginations To Drive *Listeria monocytogenes* Cell-to-Cell Spreading. *mBio*, 12(6), e0293921.

Frazer GL, et al. (2021) Signal strength controls the rate of polarization within CTLs during killing. *The Journal of cell biology*, 220(10).

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

Mutvei AP, et al. (2020) Rap1-GTPases control mTORC1 activity by coordinating lysosome organization with amino acid availability. *Nature communications*, 11(1), 1416.

Wu L, et al. (2020) Modulation of Actin Filament Dynamics by Inward Rectifying of Potassium Channel Kir2.1. *International journal of molecular sciences*, 21(20).

Zhang H, et al. (2020) Ubl4A is critical for mitochondrial fusion process under nutrient deprivation stress. *PloS one*, 15(11), e0242700.