

Resource Summary Report

Generated by [NIF](#) on Sep 14, 2026

mEmerald-Lifeact-7

RRID:Addgene_54148

Type: Plasmid

Proper Citation

RRID:Addgene_54148

Plasmid Information

URL: <http://www.addgene.org/54148>

Proper Citation: RRID:Addgene_54148

Bacterial Resistance: Kanamycin

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

Comments: . Excitation = 487; Emission = 509. Localization data: Actin

Plasmid Name: mEmerald-Lifeact-7

Record Creation Time: 20220422T222317+0000

Record Last Update: 20260912T092846+0000

Ratings and Alerts

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

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

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 18 mentions in open access literature.

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

Yamamoto T, et al. (2025) Epithelial cell chirality emerges through the dynamic concentric pattern of actomyosin cytoskeleton. *eLife*, 14.

Kar N, et al. (2025) The activation of INF2 by Piezo1/Ca²⁺ is required for mesenchymal-to-amoeoid transition in confined environments. *Current biology : CB*, 35(8), 1791.

Neahring L, et al. (2024) Torques within and outside the human spindle balance twist at anaphase. *The Journal of cell biology*, 223(9).

Holler C, et al. (2024) A paintbrush for delivery of nanoparticles and molecules to live cells with precise spatiotemporal control. *Nature methods*, 21(3), 512.

Kasamkattil J, et al. (2023) Human 3D nucleus pulposus microtissue model to evaluate the potential of pre-conditioned nasal chondrocytes for the repair of degenerated intervertebral disc. *Frontiers in bioengineering and biotechnology*, 11, 1119009.

Dasen B, et al. (2023) T-cadherin is a novel regulator of pericyte function during angiogenesis. *American journal of physiology. Cell physiology*, 324(4), C821.

Vosatka KW, et al. (2022) A novel Fiji/ImageJ plugin for the rapid analysis of blebbing cells. *PloS one*, 17(4), e0267740.

Wöllert T, et al. (2022) Super-Resolution Imaging of the Actin Cytoskeleton in Living Cells Using TIRF-SIM. *Methods in molecular biology (Clifton, N.J.)*, 2364, 3.

Wurzer H, et al. (2021) Intrinsic Resistance of Chronic Lymphocytic Leukemia Cells to NK Cell-Mediated Lysis Can Be Overcome In Vitro by Pharmacological Inhibition of Cdc42-Induced Actin Cytoskeleton Remodeling. *Frontiers in immunology*, 12, 619069.

Vorselen D, et al. (2021) Phagocytic 'teeth' and myosin-II 'jaw' power target constriction during phagocytosis. *eLife*, 10.

Taneja N, et al. (2020) Inhibition of focal adhesion kinase increases myofibril viscosity in cardiac myocytes. *Cytoskeleton (Hoboken, N.J.)*, 77(9), 342.

Macias-Contreras M, et al. (2020) Expanding the substrate selectivity of SNAP/CLIP-tagging of intracellular targets. *Methods in enzymology*, 638, 233.

Aung KT, et al. (2019) The class II phosphoinositide 3-kinases PI3K-C2 α and PI3K-C2 β differentially regulate clathrin-dependent pinocytosis in human vascular endothelial cells. *The journal of physiological sciences : JPS*, 69(2), 263.

Barger SR, et al. (2019) Membrane-cytoskeletal crosstalk mediated by myosin-I regulates adhesion turnover during phagocytosis. *Nature communications*, 10(1), 1249.

Samson SC, et al. (2019) p90 ribosomal S6 kinase (RSK) phosphorylates myosin phosphatase and thereby controls edge dynamics during cell migration. *The Journal of biological chemistry*, 294(28), 10846.

Jacquemet G, et al. (2017) FiloQuant reveals increased filopodia density during breast cancer progression. *The Journal of cell biology*, 216(10), 3387.

Khan MH, et al. (2017) The Sharpin interactome reveals a role for Sharpin in lamellipodium formation via the Arp2/3 complex. *Journal of cell science*, 130(18), 3094.

Shneyer BI, et al. (2017) ROS induced distribution of mitochondria to filopodia by Myo19 depends on a class specific tryptophan in the motor domain. *Scientific reports*, 7(1), 11577.