

Resource Summary Report

Generated by [RRID](#) on Aug 20, 2026

pEGFP-C1 F-tractin-EGFP

RRID:Addgene_58473

Type: Plasmid

Proper Citation

RRID:Addgene_58473

Plasmid Information

URL: <http://www.addgene.org/58473>

Proper Citation: RRID:Addgene_58473

Insert Name: F-tractin

Organism: Rattus norvegicus

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:26317264](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:4700; Vector Backbone:pEGFP-C1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: pEGFP-C1 F-tractin-EGFP

Record Creation Time: 20220422T222339+0000

Record Last Update: 20260815T081716+0000

Ratings and Alerts

No rating or validation information has been found for pEGFP-C1 F-tractin-EGFP.

No alerts have been found for pEGFP-C1 F-tractin-EGFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 28 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.

Banerjee S, et al. (2025) The Vps13-like protein BLTP2 regulates phosphatidylethanolamine levels to maintain plasma membrane fluidity and breast cancer aggressiveness. *Nature cell biology*, 27(7), 1125.

Deng W, et al. (2025) Consolidation of cell-ECM adhesion through direct talin-mediated actin linkage is essential for mouse embryonic morphogenesis. *Communications biology*, 8(1), 948.

Daetwyler S, et al. (2025) Imaging of cellular dynamics from a whole organism to subcellular scale with self-driving, multiscale microscopy. *Nature methods*, 22(3), 569.

Banerjee S, et al. (2024) The Vps13-like protein BLTP2 is pro-survival and regulates phosphatidylethanolamine levels in the plasma membrane to maintain its fluidity and function. *bioRxiv* : the preprint server for biology.

Ni Q, et al. (2024) Cytoskeletal activation of NHE1 regulates mechanosensitive cell volume adaptation and proliferation. *Cell reports*, 43(12), 114992.

Shoyer TC, et al. (2024) Detection of fluorescent protein mechanical switching in cellulose. *Cell reports methods*, 4(7), 100815.

Driscoll MK, et al. (2024) Proteolysis-free amoeboid migration of melanoma cells through crowded environments via bleb-driven worrying. *Developmental cell*, 59(18), 2414.

Niedzialkowska E, et al. (2024) Stabilization of F-actin by Salmonella effector SipA resembles the structural effects of inorganic phosphate and phalloidin. *Structure (London, England : 1993)*.

Weems AD, et al. (2023) Blebs promote cell survival by assembling oncogenic signalling hubs. *Nature*, 615(7952), 517.

Zhang K, et al. (2023) DIAPH3 condensates formed by liquid-liquid phase separation act as a regulatory hub for stress-induced actin cytoskeleton remodeling. *Cell reports*, 42(1), 111986.

Alfonzo-Mendez MA, et al. (2022) Dual clathrin and integrin signaling systems regulate growth factor receptor activation. *Nature communications*, 13(1), 905.

Kokate SB, et al. (2022) Caldesmon controls stress fiber force-balance through dynamic cross-linking of myosin II and actin-tropomyosin filaments. *Nature communications*, 13(1), 6032.

Choudhury MI, et al. (2022) Kidney epithelial cells are active mechano-biological fluid pumps. *Nature communications*, 13(1), 2317.

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

Pathni A, et al. (2022) Cytotoxic T Lymphocyte Activation Signals Modulate Cytoskeletal Dynamics and Mechanical Force Generation. Frontiers in immunology, 13, 779888.

Herron JC, et al. (2022) Actin nano-architecture of phagocytic podosomes. Nature communications, 13(1), 4363.

Maity D, et al. (2022) Extracellular Hydraulic Resistance Enhances Cell Migration. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 9(29), e2200927.

Tang WC, et al. (2022) Optogenetic manipulation of cell migration with high spatiotemporal resolution using lattice lightsheet microscopy. Communications biology, 5(1), 879.

Cheah JS, et al. (2021) Spatial proximity of proteins surrounding zyxin under force-bearing conditions. Molecular biology of the cell, 32(13), 1221.