

Resource Summary Report

Generated by [NIF](#) on Jul 29, 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: 20260725T074913+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 27 mentions in open access literature.

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

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.

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.

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.

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

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*.

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.

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

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

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

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

Moore AS, et al. (2021) Actin cables and comet tails organize mitochondrial networks in mitosis. *Nature*, 591(7851), 659.