

Resource Summary Report

Generated by [RRID](#) on Aug 21, 2026

EGFP-Actin-7

RRID:Addgene_56421

Type: Plasmid

Proper Citation

RRID:Addgene_56421

Plasmid Information

URL: <http://www.addgene.org/56421>

Proper Citation: RRID:Addgene_56421

Insert Name: Actin

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:20150100](#)

Vector Backbone Description: Backbone Size:4750; Vector Backbone:EGFP; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: . Excitation = 488; Emission = 507

Plasmid Name: EGFP-Actin-7

Record Creation Time: 20220422T222329+0000

Record Last Update: 20260815T081658+0000

Ratings and Alerts

No rating or validation information has been found for EGFP-Actin-7.

No alerts have been found for EGFP-Actin-7.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Parker DM, et al. (2025) Protocol for determining the contribution of protein and RNA to condensate organization by permeabilizing and enzyme-treating live U-2 OS cells. STAR protocols, 6(2), 103744.

Parker DM, et al. (2025) G3BP1 promotes intermolecular RNA-RNA interactions during RNA condensation. Molecular cell, 85(3), 571.

Liao X, et al. (2025) Myosin-dependent short actin filaments contribute to peripheral widening in developing stereocilia. Nature communications, 16(1), 5835.

Liao X, et al. (2024) Myosin-dependent short actin filaments contribute to peripheral widening in developing stereocilia. Research square.

Sala S, et al. (2021) Stress fiber strain recognition by the LIM protein testin is cryptic and mediated by RhoA. Molecular biology of the cell, 32(18), 1758.

Hwang H, et al. (2021) Cyclin Y, a novel actin-binding protein, regulates spine plasticity through the cofilin-actin pathway. Progress in neurobiology, 198, 101915.

Valencia FR, et al. (2021) Force-dependent activation of actin elongation factor mDia1 protects the cytoskeleton from mechanical damage and promotes stress fiber repair. Developmental cell, 56(23), 3288.

Aoun L, et al. (2020) Amoeboid Swimming Is Propelled by Molecular Paddling in Lymphocytes. Biophysical journal, 119(6), 1157.

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

Skau CT, et al. (2016) FMN2 Makes Perinuclear Actin to Protect Nuclei during Confined Migration and Promote Metastasis. Cell, 167(6), 1571.