

Resource Summary Report

Generated by [dkNET](#) on Aug 7, 2026

GFP-RhoA

RRID:Addgene_23224

Type: Plasmid

Proper Citation

RRID:Addgene_23224

Plasmid Information

URL: <http://www.addgene.org/23224>

Proper Citation: RRID:Addgene_23224

Insert Name: RhoA

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:18614539](#)

Vector Backbone Description: Backbone Size:4700; Vector Backbone:pEGFP-C3;
Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: GFP-RhoA

Record Creation Time: 20220422T222103+0000

Record Last Update: 20260801T081033+0000

Ratings and Alerts

No rating or validation information has been found for GFP-RhoA.

No alerts have been found for GFP-RhoA.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Balafouti S, et al. (2025) Tension-sensitive LINC-RhoA signaling prevents chromatin bridge breakage in cytokinesis. *The EMBO journal*, 44(20), 5834.

Steinbach A, et al. (2024) Cross-family small GTPase ubiquitination by the intracellular pathogen *Legionella pneumophila*. *Molecular biology of the cell*, 35(3), ar27.

Kruger C, et al. (2018) Lipid peroxidation regulates podocyte migration and cytoskeletal structure through redox sensitive RhoA signaling. *Redox biology*, 16, 248.

Chowdhury F, et al. (2018) Cdc42-dependent modulation of rigidity sensing and cell spreading in tumor repopulating cells. *Biochemical and biophysical research communications*, 500(3), 557.

Graessl M, et al. (2017) An excitable Rho GTPase signaling network generates dynamic subcellular contraction patterns. *The Journal of cell biology*, 216(12), 4271.

Gayle S, et al. (2015) piggyBac insertional mutagenesis screen identifies a role for nuclear RHOA in human ES cell differentiation. *Stem cell reports*, 4(5), 926.

Wong A, et al. (2015) Parathyroid hormone regulation of hypoxia-inducible factor signaling in osteoblastic cells. *Bone*, 81, 97.

Wheeler DS, et al. (2015) Amphetamine activates Rho GTPase signaling to mediate dopamine transporter internalization and acute behavioral effects of amphetamine. *Proceedings of the National Academy of Sciences of the United States of America*, 112(51), E7138.

Miklavc P, et al. (2015) Actin depolymerisation and crosslinking join forces with myosin II to contract actin coats on fused secretory vesicles. *Journal of cell science*, 128(6), 1193.