

Resource Summary Report

Generated by [RRID](#) on Sep 2, 2026

pRK5-myc-RhoA-Q63L

RRID:Addgene_12964

Type: Plasmid

Proper Citation

RRID:Addgene_12964

Plasmid Information

URL: <http://www.addgene.org/12964>

Proper Citation: RRID:Addgene_12964

Insert Name: RhoA constitutively active

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Size:4750; Vector Backbone:pRK5-Myc;
Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pRK5-myc-RhoA-Q63L

Relevant Mutation: Q63L Constitutively active

Record Creation Time: 20220422T221721+0000

Record Last Update: 20260902T041722+0000

Ratings and Alerts

No rating or validation information has been found for pRK5-myc-RhoA-Q63L.

No alerts have been found for pRK5-myc-RhoA-Q63L.

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 [RRID](#) .

Hong HJ, et al. (2025) Dynamics and Regulation of mRNA Cap Recognition by Human eIF4F. bioRxiv : the preprint server for biology.

Courte J, et al. (2024) Programming the elongation of mammalian cell aggregates with synthetic gene circuits. bioRxiv : the preprint server for biology.

Socodato R, et al. (2023) RhoA balances microglial reactivity and survival during neuroinflammation. Cell death & disease, 14(10), 690.

Martin-Cofreces NB, et al. (2021) Editorial: Cytoskeleton Dynamics as Master Regulator of Organelle Reorganization and Intracellular Signaling for Cell-Cell Competition. Frontiers in cell and developmental biology, 9, 782559.

McCray BA, et al. (2021) Neuropathy-causing TRPV4 mutations disrupt TRPV4-RhoA interactions and impair neurite extension. Nature communications, 12(1), 1444.

Lachowski D, et al. (2020) G Protein-Coupled Estrogen Receptor Regulates Actin Cytoskeleton Dynamics to Impair Cell Polarization. Frontiers in cell and developmental biology, 8, 592628.

Socodato R, et al. (2020) Microglia Dysfunction Caused by the Loss of Rhoa Disrupts Neuronal Physiology and Leads to Neurodegeneration. Cell reports, 31(12), 107796.

Du J, et al. (2019) Compression Generated by a 3D Supracellular Actomyosin Cortex Promotes Embryonic Stem Cell Colony Growth and Expression of Nanog and Oct4. Cell systems, 9(2), 214.

Bowen CJ, et al. (2015) Cadherin-11 coordinates cellular migration and extracellular matrix remodeling during aortic valve maturation. Developmental biology, 407(1), 145.