Resource Summary Report

Generated by dkNET on Sep 3, 2026

pTriEx4-Cdc42-2G

RRID:Addgene_68814
Type: Plasmid

Proper Citation

RRID:Addgene_68814

Plasmid Information

URL: http://www.addgene.org/68814

Proper Citation: RRID:Addgene_68814

Insert Name: Cdc42 activation reporter

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: PMID:26912264

Vector Backbone Description: Backbone Marker:Novagen; Backbone Size:5238; Vector Backbone:pTriEx4; Vector Types:Mammalian Expression, Bacterial Expression, Insect Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pTriEx4-Cdc42-2G

Record Creation Time: 20220422T222428+0000

Record Last Update: 20260902T050014+0000

Ratings and Alerts

No rating or validation information has been found for pTriEx4-Cdc42-2G.

No alerts have been found for pTriEx4-Cdc42-2G.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 8 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

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.

Lee H, et al. (2025) A Rho GTPase-effector ensemble governs cell migration behavior. Nature communications, 16(1), 9637.

Hiepen C, et al. (2025) Endothelial tip-cell position, filopodia formation and biomechanics require BMPR2 expression and signaling. Communications biology, 8(1), 21.

M??ller PM, et al. (2022) A screening-compatible live cell fluorescence resonance energy transfer-based assay for modulation of Rho GTPase activity. STAR protocols, 3(4), 101705.

Anijs M, et al. (2022) ARHGEF39, a Gene Implicated in Developmental Language Disorder, Activates RHOA and Is Involved in Cell De-Adhesion and Neural Progenitor Cell Proliferation. Frontiers in molecular neuroscience, 15, 941494.

Yang JM, et al. (2021) Deciphering cell signaling networks with massively multiplexed biosensor barcoding. Cell, 184(25), 6193.

MacKeil JL, et al. (2019) A PKA/cdc42 Signaling Axis Restricts Angiogenic Sprouting by Regulating Podosome Rosette Biogenesis and Matrix Remodeling. Scientific reports, 9(1), 2385.

Sun T, et al. (2017) A reverse signaling pathway downstream of Sema4A controls cell migration via Scrib. The Journal of cell biology, 216(1), 199.