

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](#) on Apr 29, 2025

CMV-GFP-NMHC II-A

RRID:Addgene_11347

Type: Plasmid

Proper Citation

RRID:Addgene_11347

Plasmid Information

URL: <http://www.addgene.org/11347>

Proper Citation: RRID:Addgene_11347

Insert Name: NMHC II-A

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:11029059](#)

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

Comments: NMHC II-A can be released by HindIII/SpeI digestion. Please note that the original pEGFP-C3 vector was modified so that the tetracyclin regulated promoter was replaced by a CMV promoter.

Plasmid Name: CMV-GFP-NMHC II-A

Record Creation Time: 20220422T221554+0000

Record Last Update: 20230915T080158+0000

Ratings and Alerts

No rating or validation information has been found for CMV-GFP-NMHC II-A.

No alerts have been found for CMV-GFP-NMHC II-A.

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 [FDI Lab - SciCrunch.org](#).

Wang X, et al. (2024) Talin2 binds to non-muscle myosin IIa and regulates cell attachment and fibronectin secretion. Scientific reports, 14(1), 20175.

Katsuta H, et al. (2023) Actin crosslinking by γ -actinin averts viscous dissipation of myosin force transmission in stress fibers. iScience, 26(3), 106090.

Weißenbruch K, et al. (2021) Distinct roles of nonmuscle myosin II isoforms for establishing tension and elasticity during cell morphodynamics. eLife, 10.

Duan X, et al. (2021) Essential role of the endocytic site-associated protein Ecm25 in stress-induced cell elongation. Cell reports, 35(7), 109122.

Vorselen D, et al. (2021) Phagocytic 'teeth' and myosin-II 'jaw' power target constriction during phagocytosis. eLife, 10.

Kamps D, et al. (2020) Optogenetic Tuning Reveals Rho Amplification-Dependent Dynamics of a Cell Contraction Signal Network. Cell reports, 33(9), 108467.

Tochimoto M, et al. (2020) S100A4/non-muscle myosin II signaling regulates epithelial-mesenchymal transition and stemness in uterine carcinosarcoma. Laboratory investigation; a journal of technical methods and pathology, 100(5), 682.

Kang JS, et al. (2019) Angiotensin II-mediated MYH9 downregulation causes structural and functional podocyte injury in diabetic kidney disease. Scientific reports, 9(1), 7679.

Zhang Y, et al. (2019) The in vivo ISGylome links ISG15 to metabolic pathways and autophagy upon Listeria monocytogenes infection. Nature communications, 10(1), 5383.