

Resource Summary Report

Generated by [RRID](#) on Aug 17, 2026

pCMV-mCherry-MHC-IIA

RRID:Addgene_35687

Type: Plasmid

Proper Citation

RRID:Addgene_35687

Plasmid Information

URL: <http://www.addgene.org/35687>

Proper Citation: RRID:Addgene_35687

Insert Name: MHC IIA

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:17567956](#)

Vector Backbone Description: Backbone Marker:Clontech; Vector Backbone:pEGFP;
Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: pCMV-mCherry-MHC-IIA

Record Creation Time: 20220422T222152+0000

Record Last Update: 20260815T081407+0000

Ratings and Alerts

No rating or validation information has been found for pCMV-mCherry-MHC-IIA.

No alerts have been found for pCMV-mCherry-MHC-IIA.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Fernández de Castro I, et al. (2025) Myosin-9 is required for lysosome-mediated nonlytic reovirus egress. *PLoS pathogens*, 21(10), e1013597.

Duff D, et al. (2025) Non-muscle myosin heavy chain IIA regulates cell morphology, stress fibre structure, and cell migration in FLO-1 oesophageal adenocarcinoma cells. *Human cell*, 38(3), 80.

Amiri F, et al. (2024) Confinement controls the directional cell responses to fluid forces. *Cell reports*, 43(9), 114692.

Nanda S, et al. (2023) Rho GTPase activity crosstalk mediated by Arhgef11 and Arhgef12 coordinates cell protrusion-retraction cycles. *Nature communications*, 14(1), 8356.

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

Yang C, et al. (2019) Ultrastructure and dynamics of the actin-myosin II cytoskeleton during mitochondrial fission. *Nature cell biology*, 21(5), 603.

Shitashima Y, et al. (2018) A dual-ligand-modulable fluorescent protein based on UnaG and calmodulin. *Biochemical and biophysical research communications*, 496(3), 872.

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

Wang Y, et al. (2017) MYH9 binds to lncRNA gene PTCSC2 and regulates FOXE1 in the 9q22 thyroid cancer risk locus. *Proceedings of the National Academy of Sciences of the United States of America*, 114(3), 474.

Shutova MS, et al. (2017) Self-sorting of nonmuscle myosins IIA and IIB polarizes the cytoskeleton and modulates cell motility. *The Journal of cell biology*, 216(9), 2877.

Schulze N, et al. (2014) FHOD1 regulates stress fiber organization by controlling the dynamics of transverse arcs and dorsal fibers. *Journal of cell science*, 127(Pt 7), 1379.