

Resource Summary Report

Generated by [dkNET](#) on Sep 6, 2026

pmiRFP670-N1

RRID:Addgene_79987

Type: Plasmid

Proper Citation

RRID:Addgene_79987

Plasmid Information

URL: <http://www.addgene.org/79987>

Proper Citation: RRID:Addgene_79987

Insert Name: miRFP670

Organism: Synthetic

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:27539380](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:4012; Vector Backbone:pN1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: pmiRFP670-N1

Record Creation Time: 20220422T222523+0000

Record Last Update: 20260905T080153+0000

Ratings and Alerts

No rating or validation information has been found for pmiRFP670-N1.

No alerts have been found for pmiRFP670-N1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 23 mentions in open access literature.

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

Kim SH, et al. (2026) Remodeling synaptic connections via engineered neuron-astrocyte interactions. *Nature communications*, 17(1).

Mao S, et al. (2025) Spuriously transcribed RNAs from CRISPR-sgRNA expression plasmids scaffold biomolecular condensate formation and hamper accurate genomic imaging. *Nucleic acids research*, 53(6).

Hariharan V, et al. (2025) Superinfection promotes replication and diversification of defective HIV-1 proviruses in people with non-suppressible viraemia. *Nature microbiology*, 10(11), 2736.

Hu J, et al. (2022) Local temporal Rac1-GTP nadirs and peaks restrict cell protrusions and retractions. *Science advances*, 8(12), eabl3667.

Ke PY, et al. (2022) Baicalein Activates Parkin-Dependent Mitophagy through NDP52 and OPTN. *Cells*, 11(7).

Aksenova V, et al. (2022) Analysis of Nucleoporin Function Using Inducible Degron Techniques. *Methods in molecular biology* (Clifton, N.J.), 2502, 129.

Johnson C, et al. (2022) Capturing the start point of the virus-cell interaction with high-speed 3D single-virus tracking. *Nature methods*, 19(12), 1642.

Suzuki S, et al. (2022) A chemogenetic platform for controlling plasma membrane signaling and synthetic signal oscillation. *Cell chemical biology*, 29(9), 1446.

Miki T, et al. (2022) Effects of Hydrophobic Residues on the Intracellular Self-Assembly of De Novo Designed Peptide Tags and Their Orthogonality. *ACS synthetic biology*, 11(6), 2144.

Möller K, et al. (2022) A role for the centrosome in regulating the rate of neuronal efferocytosis by microglia in vivo. *eLife*, 11.

Müller 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.

Scheffler K, et al. (2021) Two mechanisms drive pronuclear migration in mouse zygotes. *Nature communications*, 12(1), 841.

Ganga AK, et al. (2021) Rab34 GTPase mediates ciliary membrane formation in the intracellular ciliogenesis pathway. *Current biology : CB*, 31(13), 2895.

di Pietro F, et al. (2021) Rapid and robust optogenetic control of gene expression in *Drosophila*. *Developmental cell*, 56(24), 3393.

Nguyen H, et al. (2021) Efficient Inhibition of HIV Using CRISPR/Cas13d Nuclease System. *Viruses*, 13(9).

Lehtimäki JI, et al. (2021) Generation of stress fibers through myosin-driven reorganization of the actin cortex. *eLife*, 10.

Jiang X, et al. (2021) Condensation of pericentrin proteins in human cells illuminates phase separation in centrosome assembly. *Journal of cell science*, 134(14).

Li T, et al. (2021) Cytosolic GPR37, but not GPR37L1, multimerization and its reversal by Parkin: A live cell imaging study. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 35(12), e22055.

Houser MC, et al. (2020) A Novel NIR-FRET Biosensor for Reporting PS/?-Secretase Activity in Live Cells. *Sensors (Basel, Switzerland)*, 20(21).

Shaaya M, et al. (2020) Light-regulated allosteric switch enables temporal and subcellular control of enzyme activity. *eLife*, 9.