Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 13, 2025

piRFP670-N1

RRID:Addgene_45457
Type: Plasmid

Proper Citation

RRID:Addgene_45457

Plasmid Information

URL: http://www.addgene.org/45457

Proper Citation: RRID:Addgene_45457

Insert Name: iRFP670

Organism: Rhodopseudomonas palustris

Bacterial Resistance: Kanamycin

Defining Citation: PMID:23770755

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

Comments: For more information on in vivo imaging, please see: https://www.addgene.org/fluorescent_proteins/in_vivo/

Plasmid Name: piRFP670-N1

Relevant Mutation: T2A, S45T, V116I, D124E, M170L, K180M, D202L, I203V, I219V, R233H, V251I, V254C, Y258F, A283I, F307L relative to RpBphP6

Record Creation Time: 20220422T222234+0000

Record Last Update: 20220422T224124+0000

Ratings and Alerts

No rating or validation information has been found for piRFP670-N1.

No alerts have been found for piRFP670-N1.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 17 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Hecht M, et al. (2024) The concerted action of SEPT9 and EPLIN modulates the adhesion and migration of human fibroblasts. Life science alliance, 7(7).

Company C, et al. (2024) Logical design of synthetic cis-regulatory DNA for genetic tracing of cell identities and state changes. Nature communications, 15(1), 897.

Lee HHY, et al. (2024) Inhibition of Aberrantly Overexpressed Polo-like Kinase 4 Is a Potential Effective Treatment for DNA Damage Repair-Deficient Uterine Leiomyosarcoma. Clinical cancer research : an official journal of the American Association for Cancer Research, 30(17), 3904.

Yokoyama T, et al. (2024) A multicolor suite for deciphering population coding of calcium and cAMP in vivo. Nature methods, 21(5), 897.

Wang P, et al. (2023) A single-shot hyperspectral phasor camera for fast, multi-color fluorescence microscopy. Cell reports methods, 3(4), 100441.

Parker SS, et al. (2023) EVL and MIM/MTSS1 regulate actin cytoskeletal remodeling to promote dendritic filopodia in neurons. The Journal of cell biology, 222(5).

Teijeira A, et al. (2022) Depletion of Conventional Type-1 Dendritic Cells in Established Tumors Suppresses Immunotherapy Efficacy. Cancer research, 82(23), 4373.

Fujita Y, et al. (2022) Translational recoding by chemical modification of non-AUG start codon ribonucleotide bases. Science advances, 8(14), eabm8501.

Fujita Y, et al. (2022) A versatile and robust cell purification system with an RNA-only circuit composed of microRNA-responsive ON and OFF switches. Science advances, 8(1), eabj1793.

Kosmidis S, et al. (2021) A fast, aqueous, reversible three-day tissue clearing method for adult and embryonic mouse brain and whole body. Cell reports methods, 1(7), 100090.

Lockhart JH, et al. (2021) Self-assembled miRNA-switch nanoparticles target denuded regions and prevent restenosis. Molecular therapy : the journal of the American Society of Gene Therapy, 29(5), 1744.

Stawarski M, et al. (2020) Neuronal Glutamatergic Synaptic Clefts Alkalinize Rather Than Acidify during Neurotransmission. The Journal of neuroscience : the official journal of the Society for Neuroscience, 40(8), 1611.

Li D, et al. (2020) High specificity of widely used phospho-tau antibodies validated using a quantitative whole-cell based assay. Journal of neurochemistry, 152(1), 122.

Benedetti L, et al. (2020) Optimized Vivid-derived Magnets photodimerizers for subcellular optogenetics in mammalian cells. eLife, 9.

Kim S, et al. (2020) Non-invasive optical control of endogenous Ca2+ channels in awake mice. Nature communications, 11(1), 210.

Shimizu Y, et al. (2020) Anti-tumor effect of a recombinant Bifidobacterium strain secreting a claudin-targeting molecule in a mouse breast cancer model. European journal of pharmacology, 887, 173596.

di Pietro F, et al. (2017) An RNAi Screen in a Novel Model of Oriented Divisions Identifies the Actin-Capping Protein Z ? as an Essential Regulator of Spindle Orientation. Current biology : CB, 27(16), 2452.