

Resource Summary Report

Generated by [NIF](#) on Sep 3, 2026

mRFP1-C1

RRID:Addgene_54764

Type: Plasmid

Proper Citation

RRID:Addgene_54764

Plasmid Information

URL: <http://www.addgene.org/54764>

Proper Citation: RRID:Addgene_54764

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:12060735](#)

Vector Backbone Description: Backbone Size:4750; Vector Backbone:mRFP1-C1;
Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: . Excitation = 584; Emission = 607

Plasmid Name: mRFP1-C1

Record Creation Time: 20220422T222320+0000

Record Last Update: 20260902T045714+0000

Ratings and Alerts

No rating or validation information has been found for mRFP1-C1.

No alerts have been found for mRFP1-C1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Lavrynenko K, et al. (2025) mRNA recruitment by G3BP1 condensates is regulated by Caprin1 but requires G3BP1 binding to mRNA. *Scientific reports*, 15(1), 37076.

Wu P, et al. (2024) Protocol for in vivo nucleic acid delivery utilizing the rolling microneedle electrode array. *STAR protocols*, 5(3), 103261.

Zhang JF, et al. (2024) Protection of Chickens against H9N2 Avian Influenza Isolates with a Live Vector Vaccine Expressing Influenza Hemagglutinin Gene Derived from Y280 Avian Influenza Virus. *Animals : an open access journal from MDPI*, 14(6).

Machnicka B, et al. (2023) Spherocytosis-Related L1340P Mutation in Ankyrin Affects Its Interactions with Spectrin. *Life (Basel, Switzerland)*, 13(1).

Kwak Y, et al. (2022) Dynamic and widespread control of poly(A) tail length during macrophage activation. *RNA (New York, N.Y.)*, 28(7), 947.

Malvaut S, et al. (2021) Live imaging of adult neural stem cells in freely behaving mice using mini-endoscopes. *STAR protocols*, 2(2), 100596.

Zoppo M, et al. (2021) A ribonucleoprotein transfection strategy for CRISPR/Cas9-mediated gene editing and single cell cloning in rainbow trout cells. *Cell & bioscience*, 11(1), 103.

Jin X, et al. (2021) Engineering Escherichia coli to produce and secrete colicins for rapid and selective biofilm cell killing. *AIChE journal. American Institute of Chemical Engineers*, 67(12).

Butti Z, et al. (2021) Reduced C9orf72 function leads to defective synaptic vesicle release and neuromuscular dysfunction in zebrafish. *Communications biology*, 4(1), 792.

Gengatharan A, et al. (2021) Adult neural stem cell activation in mice is regulated by the day/night cycle and intracellular calcium dynamics. *Cell*, 184(3), 709.

Kim Y, et al. (2020) Microtubule-associated protein 2 mediates induction of long-term potentiation in hippocampal neurons. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 34(5), 6965.

Lee HT, et al. (2019) Vinculin and metavinculin exhibit distinct effects on focal adhesion properties, cell migration, and mechanotransduction. *PloS one*, 14(9), e0221962.

Filice F, et al. (2019) Inducible and reversible silencing of the Pvalb gene in mice: An in vitro and in vivo study. *The European journal of neuroscience*, 50(4), 2694.

Rai AK, et al. (2018) Kinase-controlled phase transition of membraneless organelles in mitosis. *Nature*, 559(7713), 211.

Park H, et al. (2017) Optogenetic protein clustering through fluorescent protein tagging and extension of CRY2. *Nature communications*, 8(1), 30.