

Resource Summary Report

Generated by [kravitz2](#) on Aug 9, 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: 20260808T081833+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 [kravitz2](#) .

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.