

Resource Summary Report

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[pcDNA3-mRuby2](#)

RRID:Addgene_40260

Type: Plasmid

Proper Citation

RRID:Addgene_40260

Plasmid Information

URL: <http://www.addgene.org/40260>

Proper Citation: RRID:Addgene_40260

Insert Name: mRuby2

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:22961245](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5478; Vector Backbone:pcDNA3; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: mRuby2 is the brightest red fluorescent protein (RFP) characterized to date, with robust performance in protein fusions. Also, it is useful as FRET acceptor for Clover GFP in a FRET pair that offers bright fluorescence, dynamic range, and photostability while limiting emissions overlap.

Plasmid Name: pcDNA3-mRuby2

Record Creation Time: 20220422T222209+0000

Record Last Update: 20220422T224005+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3-mRuby2.

No alerts have been found for pcDNA3-mRuby2.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 13 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Khabir M, et al. (2024) Exosomes as Conduits: Facilitating Hepatitis B Virus-Independent Hepatitis D Virus Transmission and Propagation in Hepatocytes. *Viruses*, 16(6).

Rimbault C, et al. (2024) Engineering paralog-specific PSD-95 recombinant binders as minimally interfering multimodal probes for advanced imaging techniques. *eLife*, 13.

Ortiz-Guzman J, et al. (2024) Cholinergic Basal Forebrain Connectivity to the Basolateral Amygdala Modulates Food Intake. *eNeuro*, 11(3).

Ding MY, et al. (2024) Discovery of natural product derivative triptolidiol as a direct NLRP3 inhibitor by reducing K63-specific ubiquitination. *British journal of pharmacology*.

Nanes BA, et al. (2024) Shifts in keratin isoform expression activate motility signals during wound healing. *Developmental cell*, 59(20), 2759.

Kocy?a AM, et al. (2024) A combined biochemical and cellular approach reveals Zn²⁺-dependent hetero- and homodimeric CD4 and Lck assemblies in T cells. *Structure (London, England : 1993)*, 32(3), 292.

Read TA, et al. (2024) The actin binding protein profilin 1 localizes inside mitochondria and is critical for their function. *EMBO reports*, 25(8), 3240.

Melzer S, et al. (2021) Bombesin-like peptide recruits disinhibitory cortical circuits and enhances fear memories. *Cell*, 184(22), 5622.

Oueslati Morales CO, et al. (2021) Protein kinase D promotes activity-dependent AMPA receptor endocytosis in hippocampal neurons. *Traffic (Copenhagen, Denmark)*, 22(12), 454.

Ouchi R, et al. (2019) Modeling Steatohepatitis in Humans with Pluripotent Stem Cell-Derived Organoids. *Cell metabolism*, 30(2), 374.

Duman JG, et al. (2019) The adhesion-GPCR BAI1 shapes dendritic arbors via Bcr-mediated RhoA activation causing late growth arrest. *eLife*, 8.

Patel JM, et al. (2019) Sensory perception drives food avoidance through excitatory basal forebrain circuits. *eLife*, 8.

Kalappurakkal JM, et al. (2019) Integrin Mechano-chemical Signaling Generates Plasma Membrane Nanodomains that Promote Cell Spreading. *Cell*, 177(7), 1738.