

Resource Summary Report

Generated by [NIF](#) on Sep 14, 2026

mRFP1-N1

RRID:Addgene_54635

Type: Plasmid

Proper Citation

RRID:Addgene_54635

Plasmid Information

URL: <http://www.addgene.org/54635>

Proper Citation: RRID:Addgene_54635

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:12060735](#)

Vector Backbone Description: Backbone Size:4750; Vector Backbone:mRFP1-N1;
Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: . Excitation = 584; Emission = 607

Plasmid Name: mRFP1-N1

Record Creation Time: 20220422T222319+0000

Record Last Update: 20260912T092851+0000

Ratings and Alerts

No rating or validation information has been found for mRFP1-N1.

No alerts have been found for mRFP1-N1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Terglane J, et al. (2025) Chemigenetic Ca²⁺ indicators report elevated Ca²⁺ levels in endothelial Weibel-Palade bodies. PloS one, 20(1), e0316854.

Li J, et al. (2025) Neurotensin inhibits AMPK activity and concurrently enhances FABP1 expression in small intestinal epithelial cells associated with obesity and aging. Experimental & molecular medicine, 57(6), 1189.

Djurkovic MA, et al. (2023) Ebola Virus Uses Tunneling Nanotubes as an Alternate Route of Dissemination. The Journal of infectious diseases, 228(Supplement_7), S522.

Terglane J, et al. (2022) Acidification of endothelial Weibel-Palade bodies is mediated by the vacuolar-type H⁺-ATPase. PloS one, 17(6), e0270299.

Keller DM, et al. (2022) Dual regulation of miR-375 and CREM genes in pancreatic beta cells. Islets, 14(1), 139.

Müller JA, et al. (2022) A presynaptic phosphosignaling hub for lasting homeostatic plasticity. Cell reports, 39(3), 110696.

Salomaa SI, et al. (2021) SHANK3 conformation regulates direct actin binding and crosstalk with Rap1 signaling. Current biology : CB, 31(22), 4956.

Iwasaki K, et al. (2020) Vasodilator-stimulated phosphoprotein (VASP) is recruited into dendritic spines via G-actin-dependent mechanism and contributes to spine enlargement and stabilization. The European journal of neuroscience, 51(3), 806.

Mietkowska M, et al. (2019) Actin dynamics during Ca²⁺-dependent exocytosis of endothelial Weibel-Palade bodies. Biochimica et biophysica acta. Molecular cell research, 1866(7), 1218.

Heck J, et al. (2019) Transient Confinement of CaV2.1 Ca²⁺-Channel Splice Variants Shapes Synaptic Short-Term Plasticity. Neuron, 103(1), 66.

Boada-Romero E, et al. (2016) The T300A Crohn's disease risk polymorphism impairs function of the WD40 domain of ATG16L1. Nature communications, 7, 11821.