

Resource Summary Report

Generated by [NIF](#) on Aug 19, 2026

mEos3.2-N1

RRID:Addgene_54525

Type: Plasmid

Proper Citation

RRID:Addgene_54525

Plasmid Information

URL: <http://www.addgene.org/54525>

Proper Citation: RRID:Addgene_54525

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:22581370](#)

Vector Backbone Description: Backbone Size:4750; Vector Backbone:mEos3.2-N1;
Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: mEos3.2 = mEos2 + I102N/H158E/Y189A. Excitation = 507 / 572; Emission = 516 / 580

Plasmid Name: mEos3.2-N1

Record Creation Time: 20220422T222319+0000

Record Last Update: 20260815T081641+0000

Ratings and Alerts

No rating or validation information has been found for mEos3.2-N1.

No alerts have been found for mEos3.2-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 [NIF](#) .

Galbraith CG, et al. (2026) Compartmentalized cytoplasmic tradewinds direct soluble proteins. *Nature communications*, 17(1).

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

Abraham BG, et al. (2024) Molecular basis of JAK2 activation in erythropoietin receptor and pathogenic JAK2 signaling. *Science advances*, 10(10), ead12097.

Blake TCA, et al. (2024) Filopodial protrusion driven by density-dependent Ena-TOCA-1 interactions. *Journal of cell science*, 137(6).

Zhu X, et al. (2023) Synaptojanin1 Modifies Endolysosomal Parameters in Cultured Ventral Midbrain Neurons. *eNeuro*, 10(5).

Rodriguez Gama A, et al. (2022) A nucleation barrier spring-loads the CBM signalosome for binary activation. *eLife*, 11.

Schelski M, et al. (2022) Microtubule retrograde flow retains neuronal polarization in a fluctuating state. *Science advances*, 8(44), eabo2336.

Duncan ED, et al. (2022) Ubiquitylation by Rab40b/Cul5 regulates Rap2 localization and activity during cell migration. *The Journal of cell biology*, 221(4).

Brumfield A, et al. (2021) Insulin-promoted mobilization of GLUT4 from a perinuclear storage site requires RAB10. *Molecular biology of the cell*, 32(1), 57.

Rocha J, et al. (2019) Resolving Cytosolic Diffusive States in Bacteria by Single-Molecule Tracking. *Biophysical journal*, 116(10), 1970.

Frei MS, et al. (2019) Photoactivation of silicon rhodamines via a light-induced protonation. *Nature communications*, 10(1), 4580.

Li Y, et al. (2019) The N-cadherin interactome in primary cardiomyocytes as defined using quantitative proximity proteomics. *Journal of cell science*, 132(3).

Nerlich A, et al. (2018) Pneumolysin induced mitochondrial dysfunction leads to release of mitochondrial DNA. *Scientific reports*, 8(1), 182.

Freixo F, et al. (2018) NEK7 regulates dendrite morphogenesis in neurons via Eg5-dependent microtubule stabilization. *Nature communications*, 9(1), 2330.

Cloin BMC, et al. (2017) Efficient switching of mCherry fluorescence using chemical caging. *Proceedings of the National Academy of Sciences of the United States of America*, 114(27), 7013.

Grimm JB, et al. (2016) Bright photoactivatable fluorophores for single-molecule imaging. *Nature methods*, 13(12), 985.

Schmidt JC, et al. (2016) Live Cell Imaging Reveals the Dynamics of Telomerase Recruitment to Telomeres. *Cell*, 166(5), 1188.