

Resource Summary Report

Generated by [NIF](#) on Aug 29, 2026

pRSETa mEos2

RRID:Addgene_20341

Type: Plasmid

Proper Citation

RRID:Addgene_20341

Plasmid Information

URL: <http://www.addgene.org/20341>

Proper Citation: RRID:Addgene_20341

Insert Name: mEos-2

Organism: E coli

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:19169260](#)

Vector Backbone Description: Backbone Size:2897; Vector Backbone:pRSETa; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pRSETa mEos2

Record Creation Time: 20220422T222050+0000

Record Last Update: 20260829T080156+0000

Ratings and Alerts

No rating or validation information has been found for pRSETa mEos2.

No alerts have been found for pRSETa mEos2.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 24 mentions in open access literature.

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

Maity A, et al. (2025) Decoding mEos4b day-long maturation and engineering fast-maturing variants. *Protein science : a publication of the Protein Society*, 34(8), e70234.

Fujiwara TK, et al. (2023) Ultrafast single-molecule imaging reveals focal adhesion nano-architecture and molecular dynamics. *The Journal of cell biology*, 222(8).

Eelen G, et al. (2018) Role of glutamine synthetase in angiogenesis beyond glutamine synthesis. *Nature*, 561(7721), 63.

Sasaki T, et al. (2017) Live imaging reveals the dynamics and regulation of mitochondrial nucleoids during the cell cycle in Fucci2-HeLa cells. *Scientific reports*, 7(1), 11257.

Mohr MA, et al. (2017) Rational Engineering of Photoconvertible Fluorescent Proteins for Dual-Color Fluorescence Nanoscopy Enabled by a Triplet-State Mechanism of Primed Conversion. *Angewandte Chemie (International ed. in English)*, 56(38), 11628.

Pennacchietti F, et al. (2017) Nanoscale Molecular Reorganization of the Inhibitory Postsynaptic Density Is a Determinant of GABAergic Synaptic Potentiation. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 37(7), 1747.

S Pedersen R, et al. (2016) Profiling DNA damage response following mitotic perturbations. *Nature communications*, 7, 13887.

Laplante C, et al. (2016) Molecular organization of cytokinesis nodes and contractile rings by super-resolution fluorescence microscopy of live fission yeast. *Proceedings of the National Academy of Sciences of the United States of America*, 113(40), E5876.

Mao H, et al. (2016) A Framework for Lateral Membrane Trafficking and Polar Tethering of the PEN3 ATP-Binding Cassette Transporter. *Plant physiology*, 172(4), 2245.

Zhu X, et al. (2015) A tunable fluorescent timer method for imaging spatial-temporal protein dynamics using light-driven photoconvertible protein. *Journal of biophotonics*, 8(3), 226.

Koo PK, et al. (2015) Extracting Diffusive States of Rho GTPase in Live Cells: Towards In Vivo Biochemistry. *PLoS computational biology*, 11(10), e1004297.

Fricke F, et al. (2015) One, two or three? Probing the stoichiometry of membrane proteins by single-molecule localization microscopy. *Scientific reports*, 5, 14072.

Vangindertael J, et al. (2015) Super-resolution mapping of glutamate receptors in *C. elegans* by confocal correlated PALM. *Scientific reports*, 5, 13532.

Kim J, et al. (2014) Simultaneous measurement of smoothened entry into and exit from the primary cilium. *PloS one*, 9(8), e104070.

Zou M, et al. (2014) Fast gene transfer into the adult zebrafish brain by herpes simplex virus 1 (HSV-1) and electroporation: methods and optogenetic applications. *Frontiers in*

neural circuits, 8, 41.

Belin BJ, et al. (2013) Visualization of actin filaments and monomers in somatic cell nuclei. *Molecular biology of the cell*, 24(7), 982.

Uchida A, et al. (2013) Severing and end-to-end annealing of neurofilaments in neurons. *Proceedings of the National Academy of Sciences of the United States of America*, 110(29), E2696.

Zhang Y, et al. (2013) Ultrafast, accurate, and robust localization of anisotropic dipoles. *Protein & cell*, 4(8), 598.

Zhang M, et al. (2012) Rational design of true monomeric and bright photoactivatable fluorescent proteins. *Nature methods*, 9(7), 727.

Yang HJ, et al. (2012) Monodansylpentane as a blue-fluorescent lipid-droplet marker for multi-color live-cell imaging. *PloS one*, 7(3), e32693.