

Resource Summary Report

Generated by [RRID](#) on Aug 18, 2026

mCherry-LaminB1-10

RRID:Addgene_55069

Type: Plasmid

Proper Citation

RRID:Addgene_55069

Plasmid Information

URL: <http://www.addgene.org/55069>

Proper Citation: RRID:Addgene_55069

Insert Name: LaminB1

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Vector Backbone Description: Backbone Size:4750; Vector Backbone:mCherry; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: . Excitation = 587; Emission = 610

Plasmid Name: mCherry-LaminB1-10

Record Creation Time: 20220422T222322+0000

Record Last Update: 20260815T081646+0000

Ratings and Alerts

No rating or validation information has been found for mCherry-LaminB1-10.

No alerts have been found for mCherry-LaminB1-10.

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 [RRID](#) .

Charli A, et al. (2025) Mitochondrial stress disassembles nuclear architecture through proteolytic activation of PKC γ and Lamin B1 phosphorylation in neuronal cells: implications for pathogenesis of age-related neurodegenerative diseases. *Frontiers in cellular neuroscience*, 19, 1549265.

Le Bozec B, et al. (2025) Circadian PERIOD proteins regulate TC-DSB repair through anchoring to the nuclear envelope. *Molecular cell*, 85(24), 4492.

Scialò C, et al. (2025) Seeded aggregation of TDP-43 induces its loss of function and reveals early pathological signatures. *Neuron*, 113(10), 1614.

Glossop MS, et al. (2024) TIRR regulates mRNA export and association with P-bodies in response to DNA damage. *Nucleic acids research*, 52(20), 12633.

Lee GE, et al. (2024) Dysregulated CREB3 cleavage at the nuclear membrane induces karyoptosis-mediated cell death. *Experimental & molecular medicine*, 56(3), 686.

Brooks KE, et al. (2022) Molecular contribution to embryonic aneuploidy and karyotypic complexity in initial cleavage divisions of mammalian development. *Development (Cambridge, England)*, 149(7).

Frei MS, et al. (2022) Engineered HaloTag variants for fluorescence lifetime multiplexing. *Nature methods*, 19(1), 65.

Rubio-Ramos A, et al. (2022) MALL, a membrane-tetra-spanning proteolipid overexpressed in cancer, is present in membraneless nuclear biomolecular condensates. *Cellular and molecular life sciences : CMLS*, 79(5), 236.

Murray-Nerger LA, et al. (2021) Lamin B1 acetylation slows the G1 to S cell cycle transition through inhibition of DNA repair. *Nucleic acids research*, 49(4), 2044.

Gregor I, et al. (2021) Instant three-color multiplane fluorescence microscopy. *Biophysical reports*, 1(1), 100001.

See K, et al. (2020) Histone methyltransferase activity programs nuclear peripheral genome positioning. *Developmental biology*, 466(1-2), 90.

Saito N, et al. (2019) Involvement of Lamin B1 Reduction in Accelerated Cellular Senescence during Chronic Obstructive Pulmonary Disease Pathogenesis. *Journal of immunology (Baltimore, Md. : 1950)*, 202(5), 1428.

Gupta MK, et al. (2019) Lamin B is a target for selective nuclear PQC by BAG3: implication for nuclear envelopopathies. *Cell death & disease*, 10(1), 23.

Cejas RB, et al. (2019) Biosynthesis of O-N-acetylgalactosamine glycans in the human cell nucleus. *The Journal of biological chemistry*, 294(9), 2997.

Murray LA, et al. (2018) Orchestration of protein acetylation as a toggle for cellular defense and virus replication. *Nature communications*, 9(1), 4967.

Baron O, et al. (2017) Stall in Canonical Autophagy-Lysosome Pathways Prompts Nucleophagy-Based Nuclear Breakdown in Neurodegeneration. *Current biology : CB*, 27(23), 3626.

Skau CT, et al. (2016) FMN2 Makes Perinuclear Actin to Protect Nuclei during Confined Migration and Promote Metastasis. *Cell*, 167(6), 1571.