

# Resource Summary Report

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## mCherry-LaminA-C-18

RRID:Addgene\_55068

Type: Plasmid

### Proper Citation

RRID:Addgene\_55068

### Plasmid Information

**URL:** <http://www.addgene.org/55068>

**Proper Citation:** RRID:Addgene\_55068

**Insert Name:** Lamin A

**Organism:** Homo sapiens

**Bacterial Resistance:** Kanamycin

**Vector Backbone Description:** Backbone Size:4750; Vector Backbone:mCherry-C1;  
Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

**Comments:** . Excitation = 587; Emission = 610

**Plasmid Name:** mCherry-LaminA-C-18

**Record Creation Time:** 20220422T222322+0000

**Record Last Update:** 20260815T081646+0000

### Ratings and Alerts

No rating or validation information has been found for mCherry-LaminA-C-18.

No alerts have been found for mCherry-LaminA-C-18.

### Data and Source Information

**Source:** [Addgene](#)

### Usage and Citation Metrics

We found 18 mentions in open access literature.

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

Park JE, et al. (2025) Attenuated Nuclear Tension Regulates Progerin-Induced Mechanosensitive Nuclear Wrinkling and Chromatin Remodeling. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(31), e2502375.

Federico G, et al. (2025) Ultrasound-induced mechanical damage of cancer cell cytoskeleton causes disruption of nuclear envelope and activation of cGAS-STING. *Scientific reports*, 15(1), 18037.

Lizcano-Perret B, et al. (2025) The leader proteins of Theiler's virus and Boone cardiovirus use a combination of short linear motifs (SLiMs) to target RSK kinases to the nuclear pore complex. *Journal of virology*, 99(10), e0127525.

Bosch-Calvet M, et al. (2025) Nuclear stiffness through lamin A/C overexpression differentially modulates chromosomal instability biomarkers. *Biology of the cell*, 117(2), e12001.

Muniesa-Vargas A, et al. (2024) Persistent TFIIH binding to non-excised DNA damage causes cell and developmental failure. *Nature communications*, 15(1), 3490.

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

Fu X, et al. (2024) Targeting Nuclear Mechanics Mitigates the Fibroblast Invasiveness in Pathological Dermal Scars Induced by Matrix Stiffening. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 11(15), e2308253.

Sylvers J, et al. (2023) Nuclear Entry of DNA and Transgene Expression in Dividing and Non-dividing Cells. *Cellular and molecular bioengineering*, 16(5-6), 459.

Kovacs MT, et al. (2023) DNA damage induces nuclear envelope rupture through ATR-mediated phosphorylation of lamin A/C. *Molecular cell*, 83(20), 3659.

Srivastava LK, et al. (2021) Spatial distribution of lamin A/C determines nuclear stiffness and stress-mediated deformation. *Journal of cell science*, 134(10).

Anderson CL, et al. (2021) Most myopathic lamin variants aggregate: a functional genomics approach for assessing variants of uncertain significance. *NPJ genomic medicine*, 6(1), 103.

Bocanegra JL, et al. (2020) The MyMOMA domain of MYO19 encodes for distinct Miro-dependent and Miro-independent mechanisms of interaction with mitochondrial membranes. *Cytoskeleton* (Hoboken, N.J.), 77(3-4), 149.

Lionetti MC, et al. (2020) Chromatin and Cytoskeletal Tethering Determine Nuclear Morphology in Progerin-Expressing Cells. *Biophysical journal*, 118(9), 2319.

Dunlevy KL, et al. (2020) The PRR14 heterochromatin tether encodes modular domains that mediate and regulate nuclear lamina targeting. *Journal of cell science*, 133(10).

Yokoi A, et al. (2019) Mechanisms of nuclear content loading to exosomes. *Science advances*, 5(11), eaax8849.

Cervia LD, et al. (2018) Enhancing Electrotransfection Efficiency through Improvement in Nuclear Entry of Plasmid DNA. *Molecular therapy. Nucleic acids*, 11, 263.

Lo JY, et al. (2017) WDR23 regulates NRF2 independently of KEAP1. *PLoS genetics*, 13(4), e1006762.

Singh PP, et al. (2016) Permeabilization activated reduction in fluorescence: A novel method to measure kinetics of protein interactions with intracellular structures. *Cytoskeleton (Hoboken, N.J.)*, 73(6), 271.