Resource Summary Report

Generated by dkNET on Aug 22, 2026

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 dkNET .

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.

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.

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.

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

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.

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

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.