

Resource Summary Report

Generated by [NIF](#) on Sep 9, 2026

pBABE-puro-GFP-wt-lamin A

RRID:Addgene_17662

Type: Plasmid

Proper Citation

RRID:Addgene_17662

Plasmid Information

URL: <http://www.addgene.org/17662>

Proper Citation: RRID:Addgene_17662

Insert Name: GFP-lamin A

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:18311132](#)

Vector Backbone Description: Backbone Size:5200; Vector Backbone:pBABE-puro; Vector Types:Mammalian Expression, Retroviral; Bacterial Resistance:Ampicillin

Comments: This vector was generated by cloning the NheI–BamHI fragment from pEGFP–wt-lamin A into the BamHI site of the pBABE-puro vector after filling of the ends.

Plasmid Name: pBABE-puro-GFP-wt-lamin A

Record Creation Time: 20220422T222020+0000

Record Last Update: 20260905T075250+0000

Ratings and Alerts

No rating or validation information has been found for pBABE-puro-GFP-wt-lamin A.

No alerts have been found for pBABE-puro-GFP-wt-lamin A.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 45 mentions in open access literature.

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

Wu Y, et al. (2025) Viscoelastic extracellular matrix enhances epigenetic remodeling and cellular plasticity. *Nature communications*, 16(1), 4054.

Dzianisava V, et al. (2025) Selection of specific and efficient siRNAs in new cellular model for Hutchinson-Gilford progeria syndrome therapy. *Molecular therapy. Nucleic acids*, 36(4), 102727.

Faustini E, et al. (2025) Nuclear deformability increases PARPi sensitivity in BRCA1-deficient cells by increasing microtubule-dependent DNA break mobility. *Nature communications*, 16(1), 5326.

McKee B, et al. (2025) Excess surface area of the nuclear lamina enables unhindered cell migration through constrictions. *Science advances*, 11(13), eads6573.

Ziegler DV, et al. (2024) Cholesterol biosynthetic pathway induces cellular senescence through ERR?. *npj aging*, 10(1), 5.

Korsten G, et al. (2024) Nuclear poly-glutamine aggregates rupture the nuclear envelope and hinder its repair. *The Journal of cell biology*, 223(11).

Herrera I, et al. (2023) Lamin A upregulation reorganizes the genome during rod photoreceptor degeneration. *Cell death & disease*, 14(10), 701.

Zhang N, et al. (2023) Unique progerin C-terminal peptide ameliorates Hutchinson-Gilford progeria syndrome phenotype by rescuing BUBR1. *Nature aging*, 3(2), 185.

Tang W, et al. (2023) Indentation induces instantaneous nuclear stiffening and unfolding of nuclear envelope wrinkles. *Proceedings of the National Academy of Sciences of the United States of America*, 120(36), e2307356120.

Jiang Y, et al. (2022) Progerin-Induced Impairment in Wound Healing and Proliferation in Vascular Endothelial Cells. *Frontiers in aging*, 3, 844885.

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.

John S, et al. (2022) Neurotherapeutic implications of sense and respond strategies generated by astrocytes and astrocytic tumours to combat pH mechanical stress. *Neuropathology and applied neurobiology*, 48(2), e12774.

Sanders JT, et al. (2022) Loops, topologically associating domains, compartments, and territories are elastic and robust to dramatic nuclear volume swelling. *Scientific reports*, 12(1), 4721.

Frankel D, et al. (2022) miR-376a-3p and miR-376b-3p overexpression in Hutchinson-Gilford progeria fibroblasts inhibits cell proliferation and induces premature senescence. *iScience*, 25(2), 103757.

Tang Y, et al. (2022) Matrix remodeling controls a nuclear lamin A/C-emerin network that directs Wnt-regulated stem cell fate. *Developmental cell*, 57(4), 480.

Tamura R, et al. (2021) Multiplexed labeling of cellular proteins with split fluorescent protein tags. *Communications biology*, 4(1), 257.

Urciuoli E, et al. (2021) Lamin A/C Mechanosensor Drives Tumor Cell Aggressiveness and Adhesion on Substrates With Tissue-Specific Elasticity. *Frontiers in cell and developmental biology*, 9, 712377.

Schormann W, et al. (2020) A reference library for assigning protein subcellular localizations by image-based machine learning. *The Journal of cell biology*, 219(3).

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).

Young AM, et al. (2020) BAF facilitates interphase nuclear membrane repair through recruitment of nuclear transmembrane proteins. *Molecular biology of the cell*, 31(15), 1551.