

Resource Summary Report

Generated by [RRID](#) on Sep 2, 2026

pCAG-1BP-NLS-Cas9-1BP-NLS-2AGFP

RRID:Addgene_87109

Type: Plasmid

Proper Citation

RRID:Addgene_87109

Plasmid Information

URL: <http://www.addgene.org/87109>

Proper Citation: RRID:Addgene_87109

Insert Name: 1BP-NLS-Cas9-1BP-NLS-2A-EGFP

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:27851729](#)

Vector Backbone Description: Vector Backbone:pCAG; Vector Types:Mammalian Expression, CRISPR; Bacterial Resistance:Ampicillin

Comments: The amino acid sequence of BPSV40NLS is "KRTADGSEFESPKKKRKV"

Plasmid Name: pCAG-1BP-NLS-Cas9-1BP-NLS-2AGFP

Record Creation Time: 20220422T222559+0000

Record Last Update: 20260902T050420+0000

Ratings and Alerts

No rating or validation information has been found for pCAG-1BP-NLS-Cas9-1BP-NLS-2AGFP.

No alerts have been found for pCAG-1BP-NLS-Cas9-1BP-NLS-2AGFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

Akaba Y, et al. (2025) miR-199a functions downstream of MeCP2 in neurons of MECP2 duplication syndrome models. *iScience*, 28(11), 113789.

Nakamura J, et al. (2025) Development of programmable RNA imaging with RNA-guided GFP via click chemistry. *Nucleic acids research*, 53(20).

Wang Z, et al. (2025) Nuclear-lamin-guided plastic positioning and folding of the human genome. *Cell reports*, 44(11), 116529.

Furuno K, et al. (2024) Transduction and Genome Editing of the Heart with Adeno-Associated Viral Vectors Loaded onto Electrospun Polydioxanone Nonwoven Fabrics. *Biomolecules*, 14(4).

Bi S, et al. (2024) The sirtuin-associated human senescence program converges on the activation of placenta-specific gene PAPPA. *Developmental cell*.

Wang C, et al. (2023) MAVS Antagonizes Human Stem Cell Senescence as a Mitochondrial Stabilizer. *Research (Washington, D.C.)*, 6, 0192.

He Y, et al. (2023) 4E-BP1 counteracts human mesenchymal stem cell senescence via maintaining mitochondrial homeostasis. *Protein & cell*, 14(3), 202.

Sato S, et al. (2023) The circadian clock CRY1 regulates pluripotent stem cell identity and somatic cell reprogramming. *Cell reports*, 42(6), 112590.

Liang C, et al. (2022) BMAL1 moonlighting as a gatekeeper for LINE1 repression and cellular senescence in primates. *Nucleic acids research*, 50(6), 3323.

Wang S, et al. (2020) Rescue of premature aging defects in Cockayne syndrome stem cells by CRISPR/Cas9-mediated gene correction. *Protein & cell*, 11(1), 1.

Bi S, et al. (2020) SIRT7 antagonizes human stem cell aging as a heterochromatin stabilizer. *Protein & cell*, 11(7), 483.

Hu H, et al. (2020) ZKSCAN3 counteracts cellular senescence by stabilizing heterochromatin. *Nucleic acids research*, 48(11), 6001.

Yan P, et al. (2019) FOXO3-Engineered Human ESC-Derived Vascular Cells Promote Vascular Protection and Regeneration. *Cell stem cell*, 24(3), 447.

Suzuki K, et al. (2019) Precise in vivo genome editing via single homology arm donor mediated intron-targeting gene integration for genetic disease correction. *Cell research*, 29(10), 804.