

Resource Summary Report

Generated by [RRID](#) on Aug 19, 2026

pU6-(BbsI)_CBh-Cas9-T2A-mCherry

RRID:Addgene_64324

Type: Plasmid

Proper Citation

RRID:Addgene_64324

Plasmid Information

URL: <http://www.addgene.org/64324>

Proper Citation: RRID:Addgene_64324

Insert Name: Cas9

Organism: Streptococcus pyogenes

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:25803306](#)

Vector Backbone Description: Backbone Marker:Zhang lab (Addgene plasmid # 42230); Vector Backbone:pX330; Vector Types:Mammalian Expression, CRISPR; Bacterial Resistance:Ampicillin

Plasmid Name: pU6-(BbsI)_CBh-Cas9-T2A-mCherry

Record Creation Time: 20220422T222408+0000

Record Last Update: 20260815T081810+0000

Ratings and Alerts

No rating or validation information has been found for pU6-(BbsI)_CBh-Cas9-T2A-mCherry.

No alerts have been found for pU6-(BbsI)_CBh-Cas9-T2A-mCherry.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 116 mentions in open access literature.

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

Song Y, et al. (2026) Unleashed condensation by recurrent mutations of an epigenetic regulator promotes cancer. *bioRxiv : the preprint server for biology*.

Bhardwaj R, et al. (2026) Deletion of mitochondrial calcium uniporter enhances calcium signals by slowing calcium clearance and triggers adaptive transcriptomic remodeling. *The Journal of biological chemistry*, 302(6), 111473.

Elhaw AT, et al. (2026) RHOV Is a Detachment-Responsive Rho GTPase Necessary for Ovarian Cancer Peritoneal Metastasis. *Cancer research*, 86(11), 2623.

Bressan C, et al. (2026) Cilia beating of ependymal cells regulates adult neural stem cell quiescence via mechanical forces mediated by PKD1/2-TRPM3. *Neuron*.

Milenkovic A, et al. (2026) Allele-specific suppression of pathogenic bestrophin-1 transcripts by CRISPR/Cas9-mediated genome editing. *Genome medicine*, 18(1).

Chen Y, et al. (2026) ER-tethering directs TREX1 penetration of a BAF-dependent barrier at micronuclei. *Molecular cell*, 86(6), 1099.

Loureiro JR, et al. (2026) The insertion of an ATTTC repeat in an Alu element hyperactivates a neurodevelopmental enhancer in spinocerebellar ataxia type 37. *Cell reports*, 45(4), 117146.

Moreno-Corona N, et al. (2026) Ribosomal RNA processing impairments in a B cell immunodeficient patient with WDR75 variants. *Journal of human immunity*, 2(4), e20250061.

Okuzaki Y, et al. (2026) The chicken retrovirus-like gene ENS-1/ERNI and Soprano LTR are involved in primordial germ cell development. *iScience*, 29(7), 116434.

Prithiviraj S, et al. (2025) Compositional editing of extracellular matrices by CRISPR/Cas9 engineering of human mesenchymal stem cell lines. *eLife*, 13.

Kim G, et al. (2025) U1 snRNP regulates alternative promoter activity by inhibiting premature polyadenylation. *Molecular cell*, 85(10), 1968.

Ferreira FJ, et al. (2025) FOXM1 expression reverts aging chromatin profiles through repression of the senescence-associated pioneer factor AP-1. *Nature communications*, 16(1), 2931.

Sebastian-Perez R, et al. (2025) SMARCD1 and TOPBP1 contribute to heterochromatin maintenance at the transition from the 2C-like to the pluripotent state. *eLife*, 12.

Zoglio V, et al. (2025) DAXX-dependent H3.3 deposition maintains myoblast cell identity independently of other histone chaperone complexes. *iScience*, 28(8), 113119.

Paudel R, et al. (2025) Anti-tumorigenic properties by trichothiodystrophy mutations in melanocytic cells. *NAR cancer*, 7(3), zcaf026.

Dimond A, et al. (2025) PBK/TOPK mediates Ikaros, Aiolos and CTCF displacement from mitotic chromosomes and alters chromatin accessibility at selected C2H2-zinc finger protein binding sites. *Nature communications*, 16(1), 8348.

Linzer CR, et al. (2025) Mitoregulin self-associates to form likely homo-oligomeric pore-like complexes. *iScience*, 28(1), 111554.

Yamaguchi R, et al. (2025) Possible Involvement of CSPG4 in Promoting Endothelial Cell Migration and Contributing to Angiogenesis during Skeletal Muscle Regeneration and Development in the Rat. *Animal science journal = Nihon chikusan Gakkaiho*, 96(1), e70097.

Pollock L, et al. (2025) A long-lived pool of PINK1 imparts a molecular memory of depolarization-induced activity. *Science advances*, 11(9), eadr1938.

Marymonchyk A, et al. (2025) Neural stem cell quiescence and activation dynamics are regulated by feedback input from their progeny under homeostatic and regenerative conditions. *Cell stem cell*, 32(3), 445.