

Resource Summary Report

Generated by [RRID](#) on Aug 26, 2026

SV40 1: pBSSVD2005

RRID:Addgene_21826

Type: Plasmid

Proper Citation

RRID:Addgene_21826

Plasmid Information

URL: <http://www.addgene.org/21826>

Proper Citation: RRID:Addgene_21826

Insert Name: SV40 Large T

Organism: simian virus

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Size:3200; Vector Backbone:Bluescribe; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: SV40 large T antigen for immortalizing cells. See Author's Map for more information. Please note that this plasmid likely expresses a truncated SV40 large T antigen protein starting with the methionine at amino acid 109, when compared to GenBank reference sequence YP_003708382.1 (see NC_001669.1 for the corresponding nucleotide sequence). The plasmid functions as described to immortalize MEFs.

Plasmid Name: SV40 1: pBSSVD2005

Relevant Mutation: likely expresses aa109-708 of the large T antigen

Record Creation Time: 20220422T222057+0000

Record Last Update: 20260815T081205+0000

Ratings and Alerts

No rating or validation information has been found for SV40 1: pBSSVD2005.

No alerts have been found for SV40 1: pBSSVD2005.

Data and Source Information

Usage and Citation Metrics

We found 42 mentions in open access literature.

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

Batra J, et al. (2026) Coronavirus protein interaction mapping in bat and human cells reveals network rewiring governing immune evasion and zoonotic potential. *Cell host & microbe*, 34(6), 1100.

Burr SP, et al. (2026) MitoPerturb-Seq identifies gene-specific single-cell responses to mitochondrial DNA depletion and heteroplasmy. *Nature structural & molecular biology*, 33(4), 711.

Moujane F, et al. (2025) Corneal Stromal Stem Cell-Derived Extracellular Vesicles Attenuate ANGPTL7 Expression in the Human Trabecular Meshwork. *Translational vision science & technology*, 14(1), 21.

Batra J, et al. (2025) Coronavirus protein interaction mapping in bat and human cells identifies molecular and genetic switches for immune evasion and replication. *bioRxiv : the preprint server for biology*.

Pandey P, et al. (2025) Decoding nucleoside supplementation: how thymidine outperforms ribonucleosides in accelerating mammalian replication forks. *Nucleic acids research*, 53(19).

Li Z, et al. (2024) Viral integration promotes SV40T-induced immortalization by disturbing the expression of DNA/chromosome- and ECM-associated functional genes. *Gene*, 896, 148060.

Gleixner S, et al. (2024) A New Immortalized Human Lacrimal Gland Cell Line. *Cells*, 13(7).

Vanhecke D, et al. (2024) Refined tamoxifen administration in mice by encouraging voluntary consumption of palatable formulations. *Lab animal*, 53(8), 205.

Kopp J, et al. (2024) Golgi pH elevation due to loss of V-ATPase subunit V0a2 function correlates with tissue-specific glycosylation changes and globozoospermia. *Cellular and molecular life sciences : CMLS*, 82(1), 4.

Maresca C, et al. (2023) PARP1 allows proper telomere replication through TRF1 poly (ADP-ribosyl)ation and helicase recruitment. *Communications biology*, 6(1), 234.

Yi W, et al. (2023) Immortalization of mouse primary astrocytes. *Gene*, 865, 147327.

Niemi NM, et al. (2023) Pptc7 maintains mitochondrial protein content by suppressing receptor-mediated mitophagy. *bioRxiv : the preprint server for biology*.

Niemi NM, et al. (2023) PPTC7 maintains mitochondrial protein content by suppressing receptor-mediated mitophagy. *Nature communications*, 14(1), 6431.

Matos-Rodrigues G, et al. (2023) In vivo reduction of RAD51-mediated homologous recombination triggers aging but impairs oncogenesis. *The EMBO journal*, 42(20), e110844.

Ronson GE, et al. (2023) Mechanisms of synthetic lethality between BRCA1/2 and 53BP1 deficiencies and DNA polymerase theta targeting. *Nature communications*, 14(1), 7834.

de Cevins C, et al. (2023) Single-cell RNA-sequencing of PBMCs from SAVI patients reveals disease-associated monocytes with elevated integrated stress response. *Cell reports. Medicine*, 4(12), 101333.

Burr SP, et al. (2023) Cell lineage-specific mitochondrial resilience during mammalian organogenesis. *Cell*, 186(6), 1212.

Jamet S, et al. (2022) The arginine methyltransferase Carm1 is necessary for heart development. *G3 (Bethesda, Md.)*, 12(8).

Vasavda C, et al. (2022) Biliverdin reductase bridges focal adhesion kinase to Src to modulate synaptic signaling. *Science signaling*, 15(733), eabh3066.

Riffo E, et al. (2022) The Sall2 transcription factor promotes cell migration regulating focal adhesion turnover and integrin $\alpha 1$ expression. *Frontiers in cell and developmental biology*, 10, 1031262.