

Resource Summary Report

Generated by [RRID](#) on Aug 22, 2026

pCMV(CAT)T7-SB100

RRID:Addgene_34879

Type: Plasmid

Proper Citation

RRID:Addgene_34879

Plasmid Information

URL: <http://www.addgene.org/34879>

Proper Citation: RRID:Addgene_34879

Insert Name: SB100X transposase

Bacterial Resistance: Chloramphenicol

Defining Citation: [PMID:19412179](#)

Vector Backbone Description: Vector Backbone:pCMV; Vector Types:Mammalian Expression; Bacterial Resistance:Chloramphenicol

Comments: The Sleeping Beauty transposon system consists of two components: the transposon vector and the transposase vector. The transposon vector (pT4/HB, Addgene #108352) contains binding sites flanking the GOI. And the transposase vector (pCMV(CAT)T7-SB100, Addgene #34879) encodes for the enzyme mediating excision and integration of the GOI.

Plasmid Name: pCMV(CAT)T7-SB100

Record Creation Time: 20220422T222148+0000

Record Last Update: 20260815T081355+0000

Ratings and Alerts

No rating or validation information has been found for pCMV(CAT)T7-SB100.

No alerts have been found for pCMV(CAT)T7-SB100.

Data and Source Information

Usage and Citation Metrics

We found 308 mentions in open access literature.

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

Le T, et al. (2026) Lipid scrambling via TMEM16F mediates the formation and release of extracellular vesicles. *Molecular biology of the cell*, 37(3), ar22.

Lin Y, et al. (2026) Regulatory T cell-derived TGF- β signaling governs the differentiation and maintenance of tumor-infiltrating bystander CD8⁺ T cells. *Cell reports*, 45(4), 117189.

Zhang Z, et al. (2026) SPINDOC functions as a mitotic molecular counter to coordinate spatiotemporal CENP-A assembly. *Cell reports*, 45(7), 117588.

Wang L, et al. (2026) Arid1a Deficiency Drives Aristolochic Acid-Induced Liver Tumorigenesis through Ctnnb1 Mutation and Defective Nucleotide Excision Repair. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(3), e13981.

Montoya T, et al. (2026) Alanine catabolism as a targetable vulnerability for MYC-driven liver cancer. *Cell reports*, 45(4), 117107.

Le GNT, et al. (2026) Red-Light-Only Control of Protein-Protein Interactions Using a Cyanobacteriochrome (UNICYCL). *ACS central science*, 12(1), 122.

Thayer JA, et al. (2026) A unified mechanism for mitochondrial damage sensing in PINK1-Parkin-mediated mitophagy. *The EMBO journal*, 45(1), 64.

Zhang H, et al. (2026) Dysregulated Proline Metabolism Exacerbates Hepatocellular Carcinoma Metastasis via EPRS1-Mediated mRNA Translation. *Cancer communications (London, England)*, 46, 0028.

Rai C, et al. (2026) Histone deacetylase enzyme activity is not the universal anticancer target of HDAC inhibitors. *Signal transduction and targeted therapy*, 11(1).

Krumwiede L, et al. (2026) MORC3 represses a tandem repeat enhancer to regulate interferon. *The EMBO journal*, 45(14), 5130.

Walsh KE, et al. (2026) CPSF73 activation and 3' RNA polymerase II pausing are lost during readthrough transcription after heat shock. *Cell reports*, 45(3), 117039.

Li Z, et al. (2026) Xylosyltransferase engineering to manipulate proteoglycans in mammalian cells. *Nature chemical biology*, 22(4), 612.

Gutierrez C, et al. (2026) Mutant ribosomal protein RPS15 drives B cell malignancy through oxidative stress and genomic instability. *Nature communications*, 17(1).

Ayad NME, et al. (2026) Tissue tension permits β -catenin phosphorylation to drive mesoderm specification in human embryonic stem cells. *Developmental cell*.

Geidies A, et al. (2026) Optogenetic BlueGENEs engineered into a human safe harbor locus. *Nucleic acids research*, 54(2).

Arifulin EA, et al. (2026) A Toolbox for Quantifying Nuclear and Nucleolar Protein Accumulation Using NLS and NoLS Fusion Reporters. *Traffic (Copenhagen, Denmark)*, 27(2), e70036.

Zhang S, et al. (2026) Nebivolol Inhibits Hepatocellular Carcinoma via RHOQ and Enhances the Efficacy of Lenvatinib. *International journal of biological sciences*, 22(7), 3617.

Ogawa M, et al. (2026) FGF21 suppresses hepatocellular carcinoma by driving competitive cell-cell interactions. *Cell reports*, 45(6), 117410.

Jia Y, et al. (2026) SPACE-seq integrates spatial transcriptomics and lineage tracing in native tissues. *Cell stem cell*.

Ossevoort T, et al. (2026) 40S ribosomal subunits move along the 5' UTR through an eIF4A-independent mechanism in higher eukaryotes. *bioRxiv : the preprint server for biology*.