

Resource Summary Report

Generated by [RRID](#) on Sep 1, 2026

[pT2/BH](#)

RRID:Addgene_26556

Type: Plasmid

Proper Citation

RRID:Addgene_26556

Plasmid Information

URL: <http://www.addgene.org/26556>

Proper Citation: RRID:Addgene_26556

Insert Name: pT2/BH

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Marker:Stratagene; Backbone Size:2918;
Vector Backbone:pBluescript; Vector Types:Bacterial Expression; Bacterial
Resistance:Ampicillin

Plasmid Name: pT2/BH

Record Creation Time: 20220422T222119+0000

Record Last Update: 20260829T080308+0000

Ratings and Alerts

No rating or validation information has been found for pT2/BH.

No alerts have been found for pT2/BH.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 18 mentions in open access literature.

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

Diez B, et al. (2025) Generation and GMP scale-up of human CAR-T cells using non-viral Sleeping Beauty transposons for B cell malignances. *Molecular therapy. Methods & clinical development*, 33(1), 101425.

Huang XY, et al. (2025) SETDB1 promotes mammalian liver regeneration by stimulating cytokine CSF3 in hepatocytes. *Cell reports*, 44(6), 115843.

Tian J, et al. (2024) Mage transposon: a novel gene delivery system for mammalian cells. *Nucleic acids research*, 52(5), 2724.

Mattern L, et al. (2022) Molecular and Functional Characterization of BDNF-Overexpressing Human Retinal Pigment Epithelial Cells Established by Sleeping Beauty Transposon-Mediated Gene Transfer. *International journal of molecular sciences*, 23(21).

Moon H, et al. (2022) Activated TAZ induces liver cancer in collaboration with EGFR/HER2 signaling pathways. *BMC cancer*, 22(1), 423.

Gojkovic M, et al. (2021) Oxygen-Mediated Suppression of CD8+ T Cell Proliferation by Macrophages: Role of Pharmacological Inhibitors of HIF Degradation. *Frontiers in immunology*, 12, 633586.

Veliça P, et al. (2021) Modified Hypoxia-Inducible Factor Expression in CD8+ T Cells Increases Antitumor Efficacy. *Cancer immunology research*, 9(4), 401.

Bátai IZ, et al. (2019) TRPA1 Ion Channel Determines Beneficial and Detrimental Effects of GYY4137 in Murine Serum-Transfer Arthritis. *Frontiers in pharmacology*, 10, 964.

Pastor M, et al. (2018) The Antibiotic-free pFAR4 Vector Paired with the Sleeping Beauty Transposon System Mediates Efficient Transgene Delivery in Human Cells. *Molecular therapy. Nucleic acids*, 11, 57.

Thumann G, et al. (2017) Engineering of PEDF-Expressing Primary Pigment Epithelial Cells by the SB Transposon System Delivered by pFAR4 Plasmids. *Molecular therapy. Nucleic acids*, 6, 302.

Garcia-Garcia L, et al. (2017) Long-Term PEDF Release in Rat Iris and Retinal Epithelial Cells after Sleeping Beauty Transposon-Mediated Gene Delivery. *Molecular therapy. Nucleic acids*, 9, 1.

Pozsgai G, et al. (2017) Analgesic effect of dimethyl trisulfide in mice is mediated by TRPA1 and sst4 receptors. *Nitric oxide : biology and chemistry*, 65, 10.

Lv J, et al. (2017) A Novel Ideal Radionuclide Imaging System for Non-invasively Cell Monitoring built on Baculovirus Backbone by Introducing Sleeping Beauty Transposon. *Scientific reports*, 7, 43879.

Kaberniuk AA, et al. (2016) A bacterial phytochrome-based optogenetic system controllable with near-infrared light. *Nature methods*, 13(7), 591.

Wang J, et al. (2016) Isolation and cultivation of naive-like human pluripotent stem cells based on HERVH expression. *Nature protocols*, 11(2), 327.

Ivics Z, et al. (2014) Germline transgenesis in rodents by pronuclear microinjection of Sleeping Beauty transposons. Nature protocols, 9(4), 773.

Ivics Z, et al. (2014) Germline transgenesis in rabbits by pronuclear microinjection of Sleeping Beauty transposons. Nature protocols, 9(4), 794.

Ivics Z, et al. (2014) Germline transgenesis in pigs by cytoplasmic microinjection of Sleeping Beauty transposons. Nature protocols, 9(4), 810.