

Resource Summary Report

Generated by [RRID](#) on Aug 21, 2026

[pTXB1-Tn5](#)

RRID:Addgene_60240

Type: Plasmid

Proper Citation

RRID:Addgene_60240

Plasmid Information

URL: <http://www.addgene.org/60240>

Proper Citation: RRID:Addgene_60240

Insert Name: tnpA from pBam1

Organism: E. coli

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:25079858](#)

Vector Backbone Description: Backbone Marker:New England Biolabs; Backbone Size:6706; Vector Backbone:pTXB1; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pTXB1-Tn5

Relevant Mutation: E54K, L372P

Record Creation Time: 20220422T222346+0000

Record Last Update: 20260815T081730+0000

Ratings and Alerts

No rating or validation information has been found for pTXB1-Tn5.

No alerts have been found for pTXB1-Tn5.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 41 mentions in open access literature.

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

Kawaguchi A, et al. (2026) ATAC-seq of low-input and cryopreserved primordial germ cells reveals functional enhancers. *Development (Cambridge, England)*, 153(9).

Chen X, et al. (2025) Arrest Peptide Profiling resolves co-translational folding pathways and chaperone interactions in vivo. *Nature communications*, 16(1), 6833.

Meng FW, et al. (2025) TransTag enables simple and efficient transgene mapping in zebrafish via tagmentation. *Cell reports methods*, 5(7), 101090.

Yadav RP, et al. (2025) scFFPE-ATAC enables high-throughput single cell chromatin accessibility profiling in formalin-fixed paraffin-embedded samples. *Nature communications*, 16(1), 10022.

Guerin LN, et al. (2025) Temporally discordant chromatin accessibility and DNA demethylation define short- and long-term enhancer regulation during cell fate specification. *Cell reports*, 44(5), 115680.

Braccioli L, et al. (2025) Identifying cross-lineage dependencies of cell-type-specific regulators in mouse gastruloids. *Developmental cell*, 60(14), 2007.

Jin W, et al. (2025) Semi-automated IT-scATAC-seq profiles cell-specific chromatin accessibility in differentiation and peripheral blood populations. *Nature communications*, 16(1), 2635.

Matsumoto M, et al. (2025) Role of PRC2 in the stochastic expression of Aire target genes and development of mimetic cells in the thymus. *The Journal of experimental medicine*, 222(7).

Choi J, et al. (2024) Cost and time-efficient construction of a 3'-end mRNA library from unpurified bulk RNA in a single tube. *Experimental & molecular medicine*, 56(2), 453.

Laurie SJ, et al. (2024) Type II innate lymphoid cell plasticity contributes to impaired reconstitution after allogeneic hematopoietic stem cell transplantation. *Nature communications*, 15(1), 6000.

Yoshimura S, et al. (2024) Atypical heat shock transcription factor HSF5 is critical for male meiotic prophase under non-stress conditions. *Nature communications*, 15(1), 3330.

Madden K, et al. (2023) Mycobacterium tuberculosis infection triggers epigenetic changes that are enriched in a type I IFN signature. *microLife*, 4, uqad006.

Chen X, et al. (2023) AP profiling resolves co-translational folding pathway and chaperone interactions in vivo. *bioRxiv : the preprint server for biology*.

Cooper S, et al. (2023) Screening for functional regulatory variants in open chromatin using GenIE-ATAC. *Nucleic acids research*, 51(11), e64.

Qu J, et al. (2023) Simultaneous profiling of chromatin architecture and transcription in single cells. *Nature structural & molecular biology*, 30(9), 1393.

Cittaro D, et al. (2023) Analyzing genomic and epigenetic profiles in single cells by hybrid transposase (scGET-seq). *STAR protocols*, 4(2), 102176.

Poulet A, et al. (2023) Chromatin analysis of adult pluripotent stem cells reveals a unique stemness maintenance strategy. *Science advances*, 9(40), eadh4887.

Zhang H, et al. (2022) Extensive evaluation of ATAC-seq protocols for native or formaldehyde-fixed nuclei. *BMC genomics*, 23(1), 214.

Zhang H, et al. (2022) Profiling chromatin accessibility in formalin-fixed paraffin-embedded samples. *Genome research*, 32(1), 150.

Tedesco M, et al. (2022) Chromatin Velocity reveals epigenetic dynamics by single-cell profiling of heterochromatin and euchromatin. *Nature biotechnology*, 40(2), 235.