

Resource Summary Report

Generated by [NIF](#) on Aug 15, 2026

3XFlag-pA-Tn5-Fl

RRID:Addgene_124601

Type: Plasmid

Proper Citation

RRID:Addgene_124601

Plasmid Information

URL: <http://www.addgene.org/124601>

Proper Citation: RRID:Addgene_124601

Insert Name: Protein A and hyperactive Tn5 transposase (Tnp) fusion protein

Organism: E. coli

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:31036827](#)

Vector Backbone Description: Backbone Size:8079; Vector Backbone:pTXB1-Tn5; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: Please note that verifying this plasmid by sequencing or digest is challenging due to the presence of the helper plasmid, as multiple bands or mispriming is likely to occur. See Addgene's sequencing results to compare sequences. This plasmid has been found to be somewhat unstable and prone to concatenation. Concatenation often does not impact plasmid function, but can reduce transformation or transfection efficiencies. If you have trouble isolating the monomeric version of this plasmid, you might consider linearizing, gel extracting, re-ligating, and transforming the plasmid.

Plasmid Name: 3XFlag-pA-Tn5-Fl

Record Creation Time: 20220422T221653+0000

Record Last Update: 20260815T080408+0000

Ratings and Alerts

No rating or validation information has been found for 3XFlag-pA-Tn5-Fl.

No alerts have been found for 3XFlag-pA-Tn5-Fl.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 32 mentions in open access literature.

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

Sun W, et al. (2026) CoCUT&Tag maps linked chromatin states at single-molecule, single-cell resolution. bioRxiv : the preprint server for biology.

Milovanovi? D, et al. (2026) Tissue-specific restriction of transposon-derived regulatory elements safeguards cell-type identity. Cell reports, 45(1), 116817.

Fu Y, et al. (2026) CUT&Tag for High-Resolution Epigenomic Profiling From a Low Amount of Arabidopsis Tissue. Plant direct, 10(4), e70161.

Chi WY, et al. (2026) Single-cell mapping of regulatory DNA-protein interactions. Cell, 189(12), 3801.

Masuda S, et al. (2025) Iron-Dependent JMJD1A-Mediated Demethylation of H3K9me2 Regulates Gene Expression During Adipogenesis in a Spatial Genome Organization-Dependent Manner. Genes to cells : devoted to molecular & cellular mechanisms, 30(3), e70023.

Zhou J, et al. (2025) Antibody-Mediated Protein A-APEX2 Labeling (AMAPEX) for Proximity Proteome Exploration. Methods in molecular biology (Clifton, N.J.), 2953, 295.

Galindo-Albarrán A, et al. (2025) Decoding transcriptional identity during neuron-astroglia cell fate driven by RAR-specific agonists. NAR molecular medicine, 2(2), ugaf018.

Wang L, et al. (2025) An eRNA transcription checkpoint for diverse signal-dependent enhancer activation programs. Nature genetics, 57(4), 962.

Hunold P, et al. (2025) DynaTag for efficient mapping of transcription factors in low-input samples and at single-cell resolution. Nature communications, 16(1), 6585.

Dimitriu MA, et al. (2025) NanoTag is an improved method to map interactions between DNA and proteins not requiring IgG. Scientific reports, 15(1), 28672.

Mendoza-Ferri MG, et al. (2025) Tissular chromatin-state cartography based on double-barcoded DNA arrays that capture unloaded PA-Tn5 transposase. Genome research, 35(7), 1633.

Chi WY, et al. (2025) Single-cell mapping of regulatory DNA:Protein interactions. bioRxiv : the preprint server for biology.

Forey R, et al. (2025) Cancer cells subvert the primate-specific KRAB zinc finger protein ZNF93 to control APOBEC3B. Proceedings of the National Academy of Sciences of the

United States of America, 122(34), e2505021122.

Wang Y, et al. (2025) Combinatorial profiling of multiple histone modifications and transcriptome in single cells using scMTR-seq. *Science advances*, 11(32), eadu3308.

Begnis M, et al. (2024) Clusters of lineage-specific genes are anchored by ZNF274 in repressive perinucleolar compartments. *Science advances*, 10(37), eado1662.

Cui X, et al. (2024) YY1 is involved in homologous recombination inhibition at guanine quadruplex sites in human cells. *Nucleic acids research*, 52(13), 7401.

Ahanger SH, et al. (2024) Spatial 3D genome organization controls the activity of bivalent chromatin during human neurogenesis. *bioRxiv : the preprint server for biology*.

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.

Martins F, et al. (2024) A Cluster of Evolutionarily Recent KRAB Zinc Finger Proteins Protects Cancer Cells from Replicative Stress-Induced Inflammation. *Cancer research*, 84(6), 808.

Yamanaka Y, et al. (2023) Reconstituting human somitogenesis in vitro. *Nature*, 614(7948), 509.