

Resource Summary Report

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

pcDNA3-Tet2

RRID:Addgene_60939

Type: Plasmid

Proper Citation

RRID:Addgene_60939

Plasmid Information

URL: <http://www.addgene.org/60939>

Proper Citation: RRID:Addgene_60939

Insert Name: Ten-Eleven Translocation 2

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:24412366](#)

Vector Backbone Description: Backbone Size:5400; Vector Backbone:pcDNA3*; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: *modified pcDNA3 vector with a beta globulin intron inserted. This insertion can help stabilize the transcripts and is particularly useful for the expression of large genes, such as p300 and Tet proteins

Plasmid Name: pcDNA3-Tet2

Record Creation Time: 20220422T222350+0000

Record Last Update: 20260829T080812+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3-Tet2.

No alerts have been found for pcDNA3-Tet2.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Guo JK, et al. (2024) Denaturing purifications demonstrate that PRC2 and other widely reported chromatin proteins do not appear to bind directly to RNA in vivo. *Molecular cell*.

Araki R, et al. (2024) iPS cell generation-associated point mutations include many C > T substitutions via different cytosine modification mechanisms. *Nature communications*, 15(1), 4946.

Ismail JN, et al. (2023) Phenotypic and transcriptomic impact of expressing mammalian TET2 in the *Drosophila melanogaster* model. *Epigenetics*, 18(1), 2192375.

Boy M, et al. (2023) Myelodysplastic Syndrome associated TET2 mutations affect NK cell function and genome methylation. *Nature communications*, 14(1), 588.

Li Y, et al. (2023) TET2-mediated mRNA demethylation regulates leukemia stem cell homing and self-renewal. *Cell stem cell*, 30(8), 1072.

Li L, et al. (2021) Role of Ten eleven translocation-2 (Tet2) in modulating neuronal morphology and cognition in a mouse model of Alzheimer's disease. *Journal of neurochemistry*, 157(4), 993.

López Soto EJ, et al. (2020) Cell-specific exon methylation and CTCF binding in neurons regulate calcium ion channel splicing and function. *eLife*, 9.

Poole CJ, et al. (2019) MYC deregulates TET1 and TET2 expression to control global DNA (hydroxy)methylation and gene expression to maintain a neoplastic phenotype in T-ALL. *Epigenetics & chromatin*, 12(1), 41.

Tan X, et al. (2018) The epithelial-to-mesenchymal transition activator ZEB1 initiates a prometastatic competing endogenous RNA network. *The Journal of clinical investigation*, 128(4), 1267.

Yang R, et al. (2018) Tet1 and Tet2 maintain mesenchymal stem cell homeostasis via demethylation of the P2RX7 promoter. *Nature communications*, 9(1), 2143.