

Resource Summary Report

Generated by [RRID](#) on Aug 19, 2026

pcDNA3/Myc-DNMT3B2

RRID:Addgene_36942

Type: Plasmid

Proper Citation

RRID:Addgene_36942

Plasmid Information

URL: <http://www.addgene.org/36942>

Proper Citation: RRID:Addgene_36942

Insert Name: DNMT3B2

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:15861382](#)

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

Comments: The multiple cloning region of the pcDNA3 vector has been modified. In the modified vector, referred to as pcDNA3/Myc, the region of the multiple cloning site located between the HindIII and NotI sites was replaced by a DNA segment containing a Kozak consensus sequence, an ATG start site and the Myc epitope sequence followed by EcoRI restriction site (see supplemental document). The construction of pcDNA3/Myc has been described in Chen, Z.X., et al. J Cell Biochem, 95: 902-917. The full-length cDNA for human DNMT3B2 was cloned into EcoRI and BamHI sites of pcDNA3/Myc. Constructed by Zhaoxia Chen.

Plasmid Name: pcDNA3/Myc-DNMT3B2

Record Creation Time: 20220422T222156+0000

Record Last Update: 20260815T081411+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3/Myc-DNMT3B2.

No alerts have been found for pcDNA3/Myc-DNMT3B2.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Taglini F, et al. (2024) DNMT3B PWWP mutations cause hypermethylation of heterochromatin. EMBO reports, 25(3), 1130.

Masalmeh RHA, et al. (2021) De novo DNA methyltransferase activity in colorectal cancer is directed towards H3K36me3 marked CpG islands. Nature communications, 12(1), 694.