

Resource Summary Report

Generated by [RRID](#) on Aug 18, 2026

pcDNA3/Myc-DNMT3L

RRID:Addgene_35523

Type: Plasmid

Proper Citation

RRID:Addgene_35523

Plasmid Information

URL: <http://www.addgene.org/35523>

Proper Citation: RRID:Addgene_35523

Insert Name: DNMT3L

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 and BamHI restriction sites (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 DNMT3L was cloned into EcoRI and XhoI sites of pcDNA3/Myc. Constructed by Zhaoxia Chen

Plasmid Name: pcDNA3/Myc-DNMT3L

Record Creation Time: 20220422T222151+0000

Record Last Update: 20260815T081401+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3/Myc-DNMT3L.

No alerts have been found for pcDNA3/Myc-DNMT3L.

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](#) .

Hinrichs AK, et al. (2024) Dual-Luciferase Reporter Assay for Prescreening CRISPR (d)Cas9-Mediated Epigenetic Editing on a Plant Promoter Using Human Cells. Methods in molecular biology (Clifton, N.J.), 2788, 273.

Finnegan AI, et al. (2020) Epigenetic engineering of yeast reveals dynamic molecular adaptation to methylation stress and genetic modulators of specific DNMT3 family members. Nucleic acids research, 48(8), 4081.