

Resource Summary Report

Generated by [NIF](#) on Aug 2, 2026

[pcDNA3-cmyc](#)

RRID:Addgene_16011

Type: Plasmid

Proper Citation

RRID:Addgene_16011

Plasmid Information

URL: <http://www.addgene.org/16011>

Proper Citation: RRID:Addgene_16011

Insert Name: cmyc

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:15367674](#)

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

Comments: Contains cmyc with Kozak.

Plasmid Name: pcDNA3-cmyc

Record Creation Time: 20220422T221906+0000

Record Last Update: 20260801T080638+0000

Ratings and Alerts

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

No alerts have been found for pcDNA3-cmyc.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 50 mentions in open access literature.

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

Williams I, et al. (2025) MYC and HSF1 Cooperate to Drive Sensitivity to Polo-like Kinase 1 Inhibitor Volasertib in High-grade Serous Ovarian Cancer. *Cancer research communications*, 5(2), 253.

Lepore Signorile M, et al. (2025) Tailoring a novel colorectal cancer stem cell-targeted therapy by inhibiting the SMYD3/c-MYC axis. *Signal transduction and targeted therapy*, 10(1), 206.

Cheng C, et al. (2025) Coordinated histone methylation loss and MYC activation promote translational capacity under amino acid restriction. *Cancer & metabolism*, 13(1), 29.

Song X, et al. (2025) Excessive MYC Orchestrates Macrophages induced Chromatin Remodeling to Sustain Micropapillary-Patterned Malignancy in Lung Adenocarcinoma. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 12(12), e2403851.

O'Hara SP, et al. (2025) Differential MYC Phosphorylation Drives the Divergent Cholangiocyte Response to Stress. *Cellular and molecular gastroenterology and hepatology*, 19(10), 101547.

Park J, et al. (2025) MYC plus class IIa HDAC inhibition drives mitochondrial dysfunction in non-small cell lung cancer. *Cell reports*, 44(6), 115722.

Ye T, et al. (2024) Identification of WNK1 as a therapeutic target to suppress IgH/MYC expression in multiple myeloma. *Cell reports*, 43(5), 114211.

Procel N, et al. (2024) In Vivo Tracking and 3D Mapping of Cell Death in Regeneration and Cancer Using Trypan Blue. *Cells*, 13(16).

Omar FA, et al. (2023) Cytosolic EpCAM cooperates with H-Ras to regulate epithelial to mesenchymal transition through ZEB1. *PloS one*, 18(5), e0285707.

Wang S, et al. (2023) CRISPR screening identifies the deubiquitylase ATXN3 as a PD-L1-positive regulator for tumor immune evasion. *The Journal of clinical investigation*, 133(23).

Walter M, et al. (2023) NUDT22 promotes cancer growth through pyrimidine salvage. *Oncogene*, 42(16), 1282.

Haraoka Y, et al. (2022) Zebrafish imaging reveals TP53 mutation switching oncogene-induced senescence from suppressor to driver in primary tumorigenesis. *Nature communications*, 13(1), 1417.

Xiang W, et al. (2022) Palbociclib Induces the Apoptosis of Lung Squamous Cell Carcinoma Cells via RB-Independent STAT3 Phosphorylation. *Current oncology (Toronto, Ont.)*, 29(8), 5855.

Dos Santos A, et al. (2022) Generation of Functional Immortalized Human Corneal Stromal Stem Cells. *International journal of molecular sciences*, 23(21).

Ghisays F, et al. (2021) RTEL1 influences the abundance and localization of TERRA RNA. *Nature communications*, 12(1), 3016.

Ghatak S, et al. (2021) FOLFOX Therapy Induces Feedback Upregulation of CD44v6 through YB-1 to Maintain Stemness in Colon Initiating Cells. *International journal of molecular sciences*, 22(2).

Fisher ML, et al. (2021) BRD4 Regulates Transcription Factor β Np63 β to Drive a Cancer Stem Cell Phenotype in Squamous Cell Carcinomas. *Cancer research*, 81(24), 6246.

Hassan MS, et al. (2021) Therapeutic Potential of the Cyclin-Dependent Kinase Inhibitor Flavopiridol on c-Myc Overexpressing Esophageal Cancer. *Frontiers in pharmacology*, 12, 746385.

Cole AJ, et al. (2020) NFATC4 promotes quiescence and chemotherapy resistance in ovarian cancer. *JCI insight*, 5(7).

Mishra R, et al. (2020) Ubiquitin ligase LRSAM1 suppresses neurodegenerative diseases linked aberrant proteins induced cell death. *The international journal of biochemistry & cell biology*, 120, 105697.