

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 10, 2026

pCMV-Neo-Bam

RRID:Addgene_16440

Type: Plasmid

Proper Citation

RRID:Addgene_16440

Plasmid Information

URL: <http://www.addgene.org/16440>

Proper Citation: RRID:Addgene_16440

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:2144057](#)

Vector Backbone Description: Backbone Marker:Vogelstein Lab; Backbone Size:6600; Vector Backbone:pCMV-Neo-Bam; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: The vector pCMV-Neo-Bam was engineered to contain two independent transcription units. The first unit is comprised of a CMV promoter/enhancer upstream of a multiple cloning site, and splice and polyA sites to ensure appropriate processing. The second transcription unit includes a herpes simplex virus (HSV) thymidine kinase promoter/enhancer upstream of the neomycin resistance gene.

Plasmid Name: pCMV-Neo-Bam

Record Creation Time: 20220422T221928+0000

Record Last Update: 20260808T081132+0000

Ratings and Alerts

No rating or validation information has been found for pCMV-Neo-Bam.

No alerts have been found for pCMV-Neo-Bam.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 21 mentions in open access literature.

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

Fu H, et al. (2026) A smart gene circuit for precise regulation of tumor cell behavior. *Synthetic and systems biotechnology*, 11, 237.

Indeglia A, et al. (2025) Targeted citrullination enables p53 binding to non-canonical sites. *Molecular cell*, 85(19), 3588.

Nakhaee N, et al. (2025) PTEN and p53 Combined Gene Therapy Promote Apoptosis and Chemosensitivity to Oxaliplatin in Colorectal Cancer: An In Vitro Study. *Advanced pharmaceutical bulletin*, 15(1), 154.

Oak S, et al. (2025) The deubiquitinase inhibitor WP1130 drives nuclear aggregation and reactivation of mutant p53 for selective cancer cell targeting. *The FEBS journal*, 292(11), 2823.

Luck C, et al. (2024) The Capicua C1 Domain is Required for Full Activity of the CIC::DUX4 Fusion Oncoprotein. *bioRxiv : the preprint server for biology*.

Luck C, et al. (2024) The Capicua C1 Domain Is Required for Full Activity of the CIC::DUX4 Fusion Oncoprotein. *Cancer research communications*, 4(12), 3099.

Itakura H, et al. (2023) Tumor-suppressive role of the musculoaponeurotic fibrosarcoma gene in colorectal cancer. *iScience*, 26(4), 106478.

Meneghetti BV, et al. (2022) p53 mutants G245S and R337H associated with the Li-Fraumeni syndrome regulate distinct metabolic pathways. *Biochimie*, 198, 141.

Di Rocco A, et al. (2022) Anti-oncogenic and pro-myogenic action of the MKK6/p38/AKT axis induced by targeting MEK/ERK in embryonal rhabdomyosarcoma. *Oncology reports*, 48(3).

Hauffe L, et al. (2022) Eukaryotic translation initiation factor 4E binding protein 1 (EIF4EBP1) expression in glioblastoma is driven by ETS1- and MYBL2-dependent transcriptional activation. *Cell death discovery*, 8(1), 91.

Iwahashi N, et al. (2022) Cytoplasmic p53 aggregates accumulated in p53-mutated cancer correlate with poor prognosis. *PNAS nexus*, 1(3), pgac128.

Gonzalez-Rellan MJ, et al. (2021) O-GlcNAcylated p53 in the liver modulates hepatic glucose production. *Nature communications*, 12(1), 5068.

Saini H, et al. (2021) Verteporfin disrupts multiple steps of autophagy and regulates p53 to sensitize osteosarcoma cells. *Cancer cell international*, 21(1), 52.

Yi Y, et al. (2019) Activin A promotes ovarian cancer cell migration by suppressing E-cadherin expression. *Experimental cell research*, 382(2), 111471.

Aggarwal M, et al. (2019) p53 mutant-type in human prostate cancer cells determines the sensitivity to phenethyl isothiocyanate induced growth inhibition. *Journal of experimental & clinical cancer research* : CR, 38(1), 307.

Saini H, et al. (2019) Autophagy Regulated by Gain of Function Mutant p53 Enhances Proteasomal Inhibitor-Mediated Cell Death through Induction of ROS and ERK in Lung Cancer Cells. *Journal of oncology*, 2019, 6164807.

Liu M, et al. (2018) Expression of Micro-RNA-492 (MiR-492) in Human Cervical Cancer Cell Lines is Upregulated by Transfection with Wild-Type P53, Irradiation, and 5-Fluorouracil Treatment In Vitro. *Medical science monitor : international medical journal of experimental and clinical research*, 24, 7750.

Mircetic J, et al. (2017) Development of a genetic sensor that eliminates p53 deficient cells. *Nature communications*, 8(1), 1463.

Berges R, et al. (2014) End-binding 1 protein overexpression correlates with glioblastoma progression and sensitizes to Vinca-alkaloids in vitro and in vivo. *Oncotarget*, 5(24), 12769.

Ferreira DM, et al. (2014) c-Jun N-terminal kinase 1/c-Jun activation of the p53/microRNA 34a/sirtuin 1 pathway contributes to apoptosis induced by deoxycholic acid in rat liver. *Molecular and cellular biology*, 34(6), 1100.