

Resource Summary Report

Generated by [RRID](#) on Aug 29, 2026

pcDNA 3.1(-) mouse C/EBP delta

RRID:Addgene_12559

Type: Plasmid

Proper Citation

RRID:Addgene_12559

Plasmid Information

URL: <http://www.addgene.org/12559>

Proper Citation: RRID:Addgene_12559

Insert Name: CCAAT/Enhancer-binding Protein delta

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:16632469](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5427; Vector Backbone:pcDNA3.1(-); Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: When this C/EBPdelta construct was created, an NcoI restriction site was introduced that overlaps the start (AUG) codon to produce an optimal translation initiation site. This cloning strategy resulted in a S2G mutation in C/EBPdelta as a cloning "scar."

Plasmid Name: pcDNA 3.1(-) mouse C/EBP delta

Relevant Mutation: S2G introduced during cloning

Record Creation Time: 20220422T221658+0000

Record Last Update: 20260829T075403+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA 3.1(-) mouse C/EBP delta.

No alerts have been found for pcDNA 3.1(-) mouse C/EBP delta.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 20 mentions in open access literature.

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

Llacsahuanga-Allicca LE, et al. (2025) The Kaposi's sarcoma-associated herpesvirus TBP mimic uses a non-canonical DNA binding mode to promote viral late gene transcription. bioRxiv : the preprint server for biology.

Fox DB, et al. (2023) Downregulation of KEAP1 in melanoma promotes resistance to immune checkpoint blockade. NPJ precision oncology, 7(1), 25.

Frey N, et al. (2022) Loss of Rnf31 and Vps4b sensitizes pancreatic cancer to T cell-mediated killing. Nature communications, 13(1), 1804.

DiMarco AV, et al. (2022) APOBEC Mutagenesis Inhibits Breast Cancer Growth through Induction of T cell-Mediated Antitumor Immune Responses. Cancer immunology research, 10(1), 70.

Gu D, et al. (2022) PBRM1 Deficiency Sensitizes Renal Cancer Cells to DNMT Inhibitor 5-Fluoro-2'-Deoxycytidine. Frontiers in oncology, 12, 870229.

Jauch-Speer SL, et al. (2022) C/EBP β -induced epigenetic changes control the dynamic gene transcription of S100a8 and S100a9. eLife, 11.

Deng J, et al. (2021) Influenza A virus infection-induced macroautophagy facilitates MHC class II-restricted endogenous presentation of an immunodominant viral epitope. The FEBS journal, 288(10), 3164.

Abdel-Raouf KMA, et al. (2021) Transdifferentiation of Human Fibroblasts into Skeletal Muscle Cells: Optimization and Assembly into Engineered Tissue Constructs through Biological Ligands. Biology, 10(6).

Mabe NW, et al. (2020) G9a Promotes Breast Cancer Recurrence through Repression of a Pro-inflammatory Program. Cell reports, 33(5), 108341.

Nagati JS, et al. (2019) A substitution mutation in a conserved domain of mammalian acetate-dependent acetyl CoA synthetase 2 results in destabilized protein and impaired HIF-2 signaling. PloS one, 14(11), e0225105.

Boularaoui SM, et al. (2018) Efficient transdifferentiation of human dermal fibroblasts into skeletal muscle. Journal of tissue engineering and regenerative medicine, 12(2), e918.

Mabe NW, et al. (2018) Epigenetic silencing of tumor suppressor Par-4 promotes chemoresistance in recurrent breast cancer. The Journal of clinical investigation, 128(10), 4413.

Christoforou N, et al. (2017) Core Transcription Factors, MicroRNAs, and Small Molecules Drive Transdifferentiation of Human Fibroblasts Towards The Cardiac Cell Lineage. *Scientific reports*, 7, 40285.

Kaminski MM, et al. (2016) Direct reprogramming of fibroblasts into renal tubular epithelial cells by defined transcription factors. *Nature cell biology*, 18(12), 1269.

Ji H, et al. (2016) Transdifferentiation of human endothelial progenitors into smooth muscle cells. *Biomaterials*, 85, 180.

Hu YJ, et al. (2015) Transcriptional and post-transcriptional control of adipocyte differentiation by Jumonji domain-containing protein 6. *Nucleic acids research*, 43(16), 7790.

Christoforou N, et al. (2013) Transcription factors MYOCD, SRF, Mesp1 and SMARCD3 enhance the cardio-inducing effect of GATA4, TBX5, and MEF2C during direct cellular reprogramming. *PloS one*, 8(5), e63577.

Christoforou N, et al. (2013) Induced pluripotent stem cell-derived cardiac progenitors differentiate to cardiomyocytes and form biosynthetic tissues. *PloS one*, 8(6), e65963.

Tsuchimochi K, et al. (2010) GADD45beta enhances Col10a1 transcription via the MTK1/MKK3/6/p38 axis and activation of C/EBPbeta-TAD4 in terminally differentiating chondrocytes. *The Journal of biological chemistry*, 285(11), 8395.

Tang T, et al. (2010) Uncoupling of inflammation and insulin resistance by NF-kappaB in transgenic mice through elevated energy expenditure. *The Journal of biological chemistry*, 285(7), 4637.