

Resource Summary Report

Generated by [dkNET](#) on Jul 29, 2026

pCMV4 p50

RRID:Addgene_21965

Type: Plasmid

Proper Citation

RRID:Addgene_21965

Plasmid Information

URL: <http://www.addgene.org/21965>

Proper Citation: RRID:Addgene_21965

Insert Name: NF-kB p50 subunit

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:1542686](#)

Vector Backbone Description: Backbone Marker:Andersson,S. et al, J. Biol. Chem. 264 (14), 8222-8229 (1989); Backbone Size:4874; Vector Backbone:pCMV4; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pCMV4 p50

Record Creation Time: 20220422T222057+0000

Record Last Update: 20260725T074429+0000

Ratings and Alerts

No rating or validation information has been found for pCMV4 p50.

No alerts have been found for pCMV4 p50.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Zhou H, et al. (2022) Epithelial-mesenchymal reprogramming by KLF4-regulated Rictor expression contributes to metastasis of non-small cell lung cancer cells. *International journal of biological sciences*, 18(13), 4869.

Zhou Y, et al. (2020) Platelet-Rich Plasma Therapy Enhances the Beneficial Effect of Bone Marrow Stem Cell Transplant on Endometrial Regeneration. *Frontiers in cell and developmental biology*, 8, 52.

Mao G, et al. (2019) Regulation of PLPP3 gene expression by NF- κ B family transcription factors. *The Journal of biological chemistry*, 294(38), 14009.

Kim GC, et al. (2018) Upregulation of Ets1 expression by NFATc2 and NFKB1/RELA promotes breast cancer cell invasiveness. *Oncogenesis*, 7(11), 91.

Zhang K, et al. (2016) Synchronized Targeting of Notch and ERBB Signaling Suppresses Melanoma Tumor Growth through Inhibition of Notch1 and ERBB3. *The Journal of investigative dermatology*, 136(2), 464.

de Andrés MC, et al. (2016) Demethylation of an NF- κ B enhancer element orchestrates iNOS induction in osteoarthritis and is associated with altered chondrocyte cell cycle. *Osteoarthritis and cartilage*, 24(11), 1951.

Balasubramaniyan N, et al. (2016) Nuclear factor- κ B regulates the expression of multiple genes encoding liver transport proteins. *American journal of physiology. Gastrointestinal and liver physiology*, 310(8), G618.

Kojima Y, et al. (2016) CD47-blocking antibodies restore phagocytosis and prevent atherosclerosis. *Nature*, 536(7614), 86.

Huang H, et al. (2014) Extracellular signal-regulated kinase activation during cardiac hypertrophy reduces sarcoplasmic/endoplasmic reticulum calcium ATPase 2 (SERCA2) transcription. *Journal of molecular and cellular cardiology*, 75, 58.

Boyd M, et al. (2014) Identification of TNF- α -responsive promoters and enhancers in the intestinal epithelial cell model Caco-2. *DNA research : an international journal for rapid publication of reports on genes and genomes*, 21(6), 569.

Hong J, et al. (2013) Role of NADPH oxidase NOX5-S, NF- κ B, and DNMT1 in acid-induced p16 hypermethylation in Barrett's cells. *American journal of physiology. Cell physiology*, 305(10), C1069.

de Andrés MC, et al. (2013) Loss of methylation in CpG sites in the NF- κ B enhancer elements of inducible nitric oxide synthase is responsible for gene induction in human articular chondrocytes. *Arthritis and rheumatism*, 65(3), 732.

Zhou X, et al. (2013) NADPH oxidase NOX5-S and nuclear factor κ B1 mediate acid-induced microsomal prostaglandin E synthase-1 expression in Barrett's esophageal adenocarcinoma cells. *Molecular pharmacology*, 83(5), 978.

Malátková P, et al. (2012) Expression of human carbonyl reductase 3 (CBR3; SDR21C2) is inducible by pro-inflammatory stimuli. Biochemical and biophysical research communications, 420(2), 368.

Luo H, et al. (2012) Kaempferol inhibits VEGF expression and in vitro angiogenesis through a novel ERK-NF- κ B-cMyc-p21 pathway. Food chemistry, 130(2), 321.

Teng YN, et al. (2012) Nuclear factor- κ B (NF- κ B) regulates the expression of human testis-enriched Leucine-rich repeats and WD repeat domain containing 1 (LRWD1) gene. International journal of molecular sciences, 14(1), 625.

Schuhmann KM, et al. (2011) The measles virus V protein binds to p65 (RelA) to suppress NF-kappaB activity. Journal of virology, 85(7), 3162.