

Resource Summary Report

Generated by [RRID](#) on Aug 26, 2026

pCMVHA E2F1

RRID:Addgene_24225

Type: Plasmid

Proper Citation

RRID:Addgene_24225

Plasmid Information

URL: <http://www.addgene.org/24225>

Proper Citation: RRID:Addgene_24225

Insert Name: E2F1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:8622649](#)

Vector Backbone Description: Backbone Size:6200; Vector Backbone:pCMVHANeoBam; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Insert check with Sall, which leads to a 1.3kb fragment + vector. E2F1 cDNA can be removed by BamHI digest. This plasmid contains an E356K mutation within the E2F1 insert. Please note that other mutations may exist and it is unclear whether this mutation affects plasmid function.

Plasmid Name: pCMVHA E2F1

Record Creation Time: 20220422T222108+0000

Record Last Update: 20260815T081228+0000

Ratings and Alerts

No rating or validation information has been found for pCMVHA E2F1.

No alerts have been found for pCMVHA E2F1.

Data and Source Information

Usage and Citation Metrics

We found 32 mentions in open access literature.

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

Kim M, et al. (2025) RSK1-driven TRIM28/E2F1 feedback loop promotes castration-resistant prostate cancer progression. *The Journal of clinical investigation*, 135(12).

Monga S, et al. (2025) E2f1 Overexpression Reduces Aging-Associated DNA Damage in Cultured Cerebral Endothelial Cells and Improves Cognitive Performance in Aged Mice. *Oxidative medicine and cellular longevity*, 2025, 3242282.

Yoo M, et al. (2025) Noncanonical association of EZH2 with E2F1 promotes tumor proliferation through chromatin remodeling. *Experimental & molecular medicine*, 57(12), 2886.

Shah K, et al. (2025) LncRNA SLNCR phenocopies the E2F1 DNA binding site to promote melanoma progression. *Cell reports*, 44(5), 115608.

Wu Q, et al. (2024) IRF3 activates RB to authorize cGAS-STING-induced senescence and mitigate liver fibrosis. *Science advances*, 10(9), eadj2102.

Li J, et al. (2023) E2F1 combined with LINC01004 super-enhancer to promote hepatocellular carcinoma cell proliferation and metastasis. *Clinical epigenetics*, 15(1), 17.

Yoon J, et al. (2022) E2F and STAT3 provide transcriptional synergy for histone variant H2AZ activation to sustain glioblastoma chromatin accessibility and tumorigenicity. *Cell death and differentiation*, 29(7), 1379.

Zhang Z, et al. (2022) POLD2 is activated by E2F1 to promote triple-negative breast cancer proliferation. *Frontiers in oncology*, 12, 981329.

Jiang X, et al. (2022) E2F1 promotes Warburg effect and cancer progression via upregulating ENO2 expression in Ewing sarcoma. *Molecular medicine reports*, 26(1).

Gemble S, et al. (2022) Genetic instability from a single S phase after whole-genome duplication. *Nature*, 604(7904), 146.

Wang S, et al. (2021) Manipulating and tracking single hepatocyte behavior during mouse liver regeneration by performing hydrodynamic tail vein injection. *STAR protocols*, 2(2), 100440.

Du L, et al. (2020) SUMOylation of E2F1 Regulates Expression of EZH2. *Cancer research*, 80(19), 4212.

Yang L, et al. (2020) SETD1A Promotes Proliferation of Castration-Resistant Prostate Cancer Cells via FOXM1 Transcription. *Cancers*, 12(7).

Xu J, et al. (2020) The Role of Crosstalk between AR3 and E2F1 in Drug Resistance in Prostate Cancer Cells. *Cells*, 9(5).

Wang S, et al. (2019) Epigenetic Compensation Promotes Liver Regeneration. *Developmental cell*, 50(1), 43.

Kanakkanthara A, et al. (2019) ZC3H18 specifically binds and activates the BRCA1 promoter to facilitate homologous recombination in ovarian cancer. *Nature communications*, 10(1), 4632.

Qi JC, et al. (2019) miR-20b-5p, TGFBR2, and E2F1 Form a Regulatory Loop to Participate in Epithelial to Mesenchymal Transition in Prostate Cancer. *Frontiers in oncology*, 9, 1535.

Mourikis TP, et al. (2019) Patient-specific cancer genes contribute to recurrently perturbed pathways and establish therapeutic vulnerabilities in esophageal adenocarcinoma. *Nature communications*, 10(1), 3101.

Qiao L, et al. (2018) Regulator of chromatin condensation 1 abrogates the G1 cell cycle checkpoint via Cdk1 in human papillomavirus E7-expressing epithelium and cervical cancer cells. *Cell death & disease*, 9(6), 583.

K?dzio?ka B, et al. (2018) Transcriptional regulation of CacyBP/SIP gene and the influence of increased CacyBP/SIP level on gene expression pattern in colorectal cancer HCT116 cells. *IUBMB life*, 70(1), 50.