

Resource Summary Report

Generated by [dkNET](#) on Aug 17, 2026

3xAP1pGL3 (3xAP-1 in pGL3-basic)

RRID:Addgene_40342

Type: Plasmid

Proper Citation

RRID:Addgene_40342

Plasmid Information

URL: <http://www.addgene.org/40342>

Proper Citation: RRID:Addgene_40342

Insert Name: 3xAP-1

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:12165517](#)

Vector Backbone Description: Backbone Marker:Promega; Backbone Size:4818; Vector Backbone:pGL3-basic; Vector Types:Mammalian Expression, Luciferase; Bacterial Resistance:Ampicillin

Comments: The 3 AP-1 reporter contains three canonical AP-1 binding sites (TGACTCA) upstream of a minimal promoter fragment containing a TATA box in the luciferase reporter plasmid pGL3-basic.

Plasmid Name: 3xAP1pGL3 (3xAP-1 in pGL3-basic)

Relevant Mutation: Contains three canonical AP-1 binding sites (TGACTCA) upstream of a minimal promoter fragment containing a TATA box

Record Creation Time: 20220422T222210+0000

Record Last Update: 20260815T081435+0000

Ratings and Alerts

No rating or validation information has been found for 3xAP1pGL3 (3xAP-1 in pGL3-basic).

No alerts have been found for 3xAP1pGL3 (3xAP-1 in pGL3-basic).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 54 mentions in open access literature.

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

Lörentz S, et al. (2026) SNAT1 (SLC38A1) Is Not the Main Glutamine Transporter in Melanoma, but Controls Metabolism via Glutamine-Dependent Activation of P62 (SQSTM1)/cMYC-Axis. *Cancers*, 18(7).

Schmidt SK, et al. (2025) Modeling a mesenchymal cell state by bioprinting for the molecular analysis of dormancy in melanoma. *Materials today. Bio*, 32, 101674.

Jin YJ, et al. (2025) Phosphorylation of endothelial histone H3.3 serine 31 by PKN1 links flow-induced signaling to proatherogenic gene expression. *Nature cardiovascular research*, 4(2), 180.

Brüggemann Y, et al. (2025) JNK kinase regulates phosphorylation of HCoV-229E nucleocapsid protein. *Npj viruses*, 3(1), 69.

Bottasso-Arias N, et al. (2025) Wnt5a and Notum influence the temporal dynamics of cartilaginous mesenchymal condensations in developing trachea. *Frontiers in cell and developmental biology*, 13, 1523833.

Ghobashi AH, et al. (2024) PTEN depletion reduces H3K27me3 levels to promote epithelial-to-mesenchymal transition in epithelial colorectal cancer cells. *PloS one*, 19(11), e0313769.

Lind J, et al. (2024) Dual therapeutic targeting of MYC and JUNB transcriptional programs for enhanced anti-myeloma activity. *Blood cancer journal*, 14(1), 138.

Sandovici I, et al. (2024) Overexpression of Igf2-derived Mir483 inhibits Igf1 expression and leads to developmental growth restriction and metabolic dysfunction in mice. *Cell reports*, 43(9), 114750.

Young M, et al. (2024) Transcriptional regulation in the absence of inositol trisphosphate receptor calcium signaling. *Frontiers in cell and developmental biology*, 12, 1473210.

Oh ET, et al. (2023) NQO1 regulates cell cycle progression at the G2/M phase. *Theranostics*, 13(3), 873.

Greco F, et al. (2023) A microRNA Arising from the Negative Strand of SARS-CoV-2 Genome Targets FOS to Reduce AP-1 Activity. *Non-coding RNA*, 9(3).

Liu LL, et al. (2023) Loss of DJ-1 function contributes to Parkinson's disease pathogenesis in mice via RACK1-mediated PKC activation and MAO-B upregulation. *Acta pharmacologica Sinica*, 44(10), 1948.

Alhazmi R, et al. (2022) Bis-Cinnamamide Derivatives as APE/Ref-1 Inhibitors for the Treatment of Human Melanoma. *Molecules* (Basel, Switzerland), 27(9).

Saha B, et al. (2022) Interactomic analysis reveals a homeostatic role for the HIV restriction factor TRIM5 α in mitophagy. *Cell reports*, 39(6), 110797.

Yim J, et al. (2022) Label-Free Target Identification Reveals the Anticancer Mechanism of a Rhenium Isonitrile Complex. *Frontiers in chemistry*, 10, 850638.

Lee SJ, et al. (2022) Transglutaminase 2 mediates UVB-induced matrix metalloproteinase-1 expression by inhibiting nuclear p65 degradation in dermal fibroblasts. *Experimental dermatology*, 31(5), 743.

Ramirez NP, et al. (2022) ADAP1 promotes latent HIV-1 reactivation by selectively tuning KRAS-ERK-AP-1 T cell signaling-transcriptional axis. *Nature communications*, 13(1), 1109.

Nataraj NB, et al. (2022) Nucleoporin-93 reveals a common feature of aggressive breast cancers: robust nucleocytoplasmic transport of transcription factors. *Cell reports*, 38(8), 110418.

Hong AY, et al. (2022) Double-Stranded RNA Enhances Matrix Metalloproteinase-1 and -13 Expressions through TLR3-Dependent Activation of Transglutaminase 2 in Dermal Fibroblasts. *International journal of molecular sciences*, 23(5).

Al Moussawi K, et al. (2022) Mutant Ras and inflammation-driven skin tumorigenesis is suppressed via a JNK-iASPP-AP1 axis. *Cell reports*, 41(3), 111503.