

Resource Summary Report

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

pN3-Sp1FL

RRID:Addgene_24543

Type: Plasmid

Proper Citation

RRID:Addgene_24543

Plasmid Information

URL: <http://www.addgene.org/24543>

Proper Citation: RRID:Addgene_24543

Insert Name: Sp1FL

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Vector Backbone Description: Backbone Marker:Guntram Suske, Addgene plasmid 24544; Backbone Size:4000; Vector Backbone:pN3; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: pN3-Control vector also available from Addgene 2 nucleotide mismatches with author sequence detected in the most 3'-UTR. They do not affect the coding sequence of Sp1.

Plasmid Name: pN3-Sp1FL

Record Creation Time: 20220422T222109+0000

Record Last Update: 20260815T081232+0000

Ratings and Alerts

No rating or validation information has been found for pN3-Sp1FL.

No alerts have been found for pN3-Sp1FL.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Trinh LT, et al. (2025) Positive autoregulation of Sox17 is necessary for gallbladder and extrahepatic bile duct formation. *Development (Cambridge, England)*, 152(2).

Eni-Aganga I, et al. (2024) KLF6 activates Sp1-mediated prolidase transcription during TGF- β 1 signaling. *The Journal of biological chemistry*, 300(2), 105605.

McDermott A, et al. (2022) The androgen receptor inhibits transcription of GPER1 by preventing Sp1 and Sp3 from binding to the promoters in prostate cancer cells. *Oncotarget*, 13, 46.

Kim SY, et al. (2022) Regulation of CIRP by genetic factors of SP1 related to cold sensitivity. *Frontiers in immunology*, 13, 994699.

Tapias A, et al. (2021) HAT cofactor TRRAP modulates microtubule dynamics via SP1 signaling to prevent neurodegeneration. *eLife*, 10.

Choi H, et al. (2020) LH-induced Transcriptional Regulation of Klf4 Expression in Granulosa Cells Occurs via the cAMP/PKA Pathway and Requires a Putative Sp1 Binding Site. *International journal of molecular sciences*, 21(19).

Zhang C, et al. (2020) Direct inhibition of the TLR4/MyD88 pathway by geniposide suppresses HIF-1 α -independent VEGF expression and angiogenesis in hepatocellular carcinoma. *British journal of pharmacology*, 177(14), 3240.

Long J, et al. (2019) Specific protein 1, c-Abl and ERK1/2 form a regulatory loop. *Journal of cell science*, 132(1).

Fletcher SC, et al. (2018) Sp1 phosphorylation by ATM downregulates BER and promotes cell elimination in response to persistent DNA damage. *Nucleic acids research*, 46(4), 1834.

Li J, et al. (2017) Mithramycin inhibits epithelial-to-mesenchymal transition and invasion by downregulating SP1 and SNAI1 in salivary adenoid cystic carcinoma. *Tumour biology : the journal of the International Society for Oncodevelopmental Biology and Medicine*, 39(6), 1010428317708697.

Thakur BK, et al. (2016) Physiological TLR5 expression in the intestine is regulated by differential DNA binding of Sp1/Sp3 through simultaneous Sp1 dephosphorylation and Sp3 phosphorylation by two different PKC isoforms. *Nucleic acids research*, 44(12), 5658.

Wang X, et al. (2016) Regulation of a disintegrins and metalloproteinase with thrombospondin motifs 7 during inflammation in nucleus pulposus (NP) cells: role of AP-1, Sp1 and NF- κ B signaling. *Inflammation research : official journal of the European Histamine Research Society ... [et al.]*, 65(12), 951.

Ye W, et al. (2015) Xylosyltransferase-1 expression is refractory to inhibition by the inflammatory cytokines tumor necrosis factor α and IL-1 β in nucleus pulposus cells: novel regulation by AP-1, Sp1, and Sp3. *The American journal of pathology*, 185(2), 485.

Lafleur VN, et al. (2014) Transcriptional repression of hypoxia-inducible factor-1 (HIF-1) by the protein arginine methyltransferase PRMT1. *Molecular biology of the cell*, 25(6), 925.

Chang YJ, et al. (2014) SH2B1 β interacts with STAT3 and enhances fibroblast growth factor 1-induced gene expression during neuronal differentiation. *Molecular and cellular biology*, 34(6), 1003.