

Resource Summary Report

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

[pN3-Sp3FL](#)

RRID:Addgene_24541

Type: Plasmid

Proper Citation

RRID:Addgene_24541

Plasmid Information

URL: <http://www.addgene.org/24541>

Proper Citation: RRID:Addgene_24541

Insert Name: transcription factor Sp3

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:15247228](#)

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

Comments: Two nucleotide mismatches with author sequence detected (one adjacent to the EcoRI cloning site and the second in the middle of the 5'-UTR). They do not affect the coding sequence of Sp3.

Plasmid Name: pN3-Sp3FL

Record Creation Time: 20220422T222109+0000

Record Last Update: 20260815T081232+0000

Ratings and Alerts

No rating or validation information has been found for pN3-Sp3FL.

No alerts have been found for pN3-Sp3FL.

Data and Source Information

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Hewawasam S, et al. (2025) Glucocorticoid Receptor (GR) and Specificity Protein 1 (Sp1) or Sp3 Transactivate the Bovine Alphaherpesvirus 1 (BoHV-1)-Infected Cell Protein 0 Early Promoter. *Viruses*, 17(2).

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

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.

Kudo E, et al. (2018) Transcriptional regulation of HIV-1 host factor COMMD1 by the Sp family. *International journal of molecular medicine*, 41(4), 2366.

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.

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.

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.

Paonessa F, et al. (2013) Specificity protein 1 (Sp1)-dependent activation of the synapsin I gene (SYN1) is modulated by RE1-silencing transcription factor (REST) and 5'-cytosine-phosphoguanine (CpG) methylation. *The Journal of biological chemistry*, 288(5), 3227.