

Resource Summary Report

Generated by [NIF](#) on Sep 16, 2026

pcDNA3-S33Y Beta-catenin

RRID:Addgene_19286

Type: Plasmid

Proper Citation

RRID:Addgene_19286

Plasmid Information

URL: <http://www.addgene.org/19286>

Proper Citation: RRID:Addgene_19286

Insert Name: beta-catenin

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:10409758](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5400; Vector Backbone:pcDNA3; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Has 12-bp sequence upstream of the initiating ATG codon matching the consensus Kozak initiator sequence.

Plasmid Name: pcDNA3-S33Y Beta-catenin

Relevant Mutation: S33Y (presumptive GSK3? phosphorylation site)

Record Creation Time: 20220422T222045+0000

Record Last Update: 20260912T092419+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3-S33Y Beta-catenin.

No alerts have been found for pcDNA3-S33Y Beta-catenin.

Data and Source Information

Usage and Citation Metrics

We found 52 mentions in open access literature.

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

Ma S, et al. (2025) Congestion Enriches Intra-hepatic Macrophages Through Reverse Zonation of CXCL9 in Liver Sinusoidal Endothelial Cells. Cellular and molecular gastroenterology and hepatology, 19(7), 101475.

Takehara T, et al. (2025) Acetylation of lysine 49 on Ctnnb1 drives naïve pluripotency in murine stem cells by modulating Nanog function. PNAS nexus, 4(10), pgaf297.

Gorji-Bahri G, et al. (2024) Stromal cartilage oligomeric matrix protein as a tumorigenic driver in ovarian cancer via Notch3 signaling and epithelial-to-mesenchymal transition. Journal of translational medicine, 22(1), 351.

Liu N, et al. (2024) Hypoxia differently regulates the proportion of ALDHhi cells in lung squamous carcinoma H520 and adenocarcinoma A549 cells via the Wnt/ β -catenin pathway. Thoracic cancer, 15(18), 1419.

Kluge V, et al. (2024) Alternative Wnt-signaling axis leads to a break of oncogene-induced senescence. Cell death & disease, 15(2), 166.

Xie H, et al. (2023) UBP43 promotes epithelial ovarian carcinogenesis via activation of β -catenin signaling pathway. Cell biology international, 47(8), 1427.

Isfort I, et al. (2023) Interdependence of SS18-SSX-driven YAP1 and β -Catenin Activation in Synovial Sarcoma. Molecular cancer research : MCR, 21(6), 535.

Kumar N, et al. (2023) Histone acetyltransferase 1 (HAT1) acetylates hypoxia-inducible factor 2 alpha (HIF2A) to execute hypoxia response. Biochimica et biophysica acta. Gene regulatory mechanisms, 1866(1), 194900.

Pizzolato G, et al. (2022) The oncogenic transcription factor FOXQ1 is a differential regulator of Wnt target genes. Journal of cell science, 135(19).

Tian S, et al. (2021) Activation of Wnt/ β -catenin signaling restores insulin sensitivity in insulin resistant neurons through transcriptional regulation of IRS-1. Journal of neurochemistry, 157(3), 467.

Koujah L, et al. (2021) Heparanase-Induced Activation of AKT Stabilizes β -Catenin and Modulates Wnt/ β -Catenin Signaling during Herpes Simplex Virus 1 Infection. mBio, 12(6), e0279221.

Ma Y, et al. (2021) PDIA6 promotes pancreatic cancer progression and immune escape through CSN5-mediated deubiquitination of β -catenin and PD-L1. Neoplasia (New York, N.Y.), 23(9), 912.

Zhou S, et al. (2021) Pyrvinium Treatment Confers Hepatic Metabolic Benefits via β -Catenin Downregulation and AMPK Activation. *Pharmaceutics*, 13(3).

Sen B, et al. (2020) β -Catenin Preserves the Stem State of Murine Bone Marrow Stromal Cells Through Activation of EZH2. *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*, 35(6), 1149.

Nouri P, et al. (2020) Dose-Dependent and Subset-Specific Regulation of Midbrain Dopaminergic Neuron Differentiation by LEF1-Mediated WNT1/ β -Catenin Signaling. *Frontiers in cell and developmental biology*, 8, 587778.

Gambini A, et al. (2020) Developmentally Programmed Tankyrase Activity Upregulates β -Catenin and Licenses Progression of Embryonic Genome Activation. *Developmental cell*, 53(5), 545.

Papadakos KS, et al. (2019) Cartilage Oligomeric Matrix Protein initiates cancer stem cells through activation of Jagged1-Notch3 signaling. *Matrix biology : journal of the International Society for Matrix Biology*, 81, 107.

Ruan X, et al. (2019) Silencing LGR6 Attenuates Stemness and Chemoresistance via Inhibiting Wnt/ β -Catenin Signaling in Ovarian Cancer. *Molecular therapy oncolytics*, 14, 94.

Nan JN, et al. (2019) β -Catenin expression is associated with cell invasiveness in pancreatic cancer. *The Korean journal of internal medicine*, 34(3), 618.

Huang X, et al. (2019) Salidroside ameliorates Adriamycin nephropathy in mice by inhibiting β -catenin activity. *Journal of cellular and molecular medicine*, 23(6), 4443.