

Resource Summary Report

Generated by [NIF](#) on Sep 10, 2026

human beta-catenin pcDNA3

RRID:Addgene_16828

Type: Plasmid

Proper Citation

RRID:Addgene_16828

Plasmid Information

URL: <http://www.addgene.org/16828>

Proper Citation: RRID:Addgene_16828

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: This is a wild type beta-catenin in pcDNA3.

Plasmid Name: human beta-catenin pcDNA3

Record Creation Time: 20220422T221945+0000

Record Last Update: 20260905T075143+0000

Ratings and Alerts

No rating or validation information has been found for human beta-catenin pcDNA3.

No alerts have been found for human beta-catenin pcDNA3.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 61 mentions in open access literature.

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

Zhang Y, et al. (2026) SERPINA3 mediates liver cancer cells escape from chemotherapy-induced neutrophil extracellular trap killing. *Cell reports*, 45(2), 116956.

Vuong LT, et al. (2025) A novel conserved protein associates with the IFT-A complex to mediate nuclear translocation of β -catenin in Wg/Wnt-signaling. *bioRxiv : the preprint server for biology*.

Kirthika P, et al. (2025) Off-pore Nucleoporin sPOM121 Transcriptionally Propels β -Catenin-driven Tumor Progression and Immune Escape in Prostate Cancer. *Cancer discovery*, 15(11), 2374.

Chen M, et al. (2025) 15,16-Dihydrotanshinone I, a novel β -catenin-targeting inhibitor that inhibits its nuclear translocation and reduces downstream CD36 expression in cancer. *Journal of translational medicine*, 23(1), 1335.

Vuong LT, et al. (2024) Wg/Wnt-signaling-induced nuclear translocation of β -catenin is attenuated by a β -catenin peptide through its interference with the IFT-A complex. *Cell reports*, 43(6), 114362.

Fu B, et al. (2024) Inhibition of Wnt/ β -catenin signaling by monensin in cervical cancer. *The Korean journal of physiology & pharmacology : official journal of the Korean Physiological Society and the Korean Society of Pharmacology*, 28(1), 21.

Hunt BG, et al. (2023) RON-augmented cholesterol biosynthesis in breast cancer metastatic progression and recurrence. *Oncogene*, 42(21), 1716.

Ghobashi AH, et al. (2023) Activation of AKT induces EZH2-mediated β -catenin trimethylation in colorectal cancer. *bioRxiv : the preprint server for biology*.

Ghobashi AH, et al. (2023) Activation of AKT induces EZH2-mediated β -catenin trimethylation in colorectal cancer. *iScience*, 26(9), 107630.

Sokolov D, et al. (2022) Melatonin and andrographolide synergize to inhibit the colospheroid phenotype by targeting Wnt/beta-catenin signaling. *Journal of pineal research*, 73(1), e12808.

Luo H, et al. (2022) HOTTIP-dependent R-loop formation regulates CTCF boundary activity and TAD integrity in leukemia. *Molecular cell*, 82(4), 833.

Jiang L, et al. (2022) ASPM Promotes the Progression of Anaplastic Thyroid Carcinomas by Regulating the Wnt/ β -Catenin Signaling Pathway. *International journal of endocrinology*, 2022, 5316102.

Ghatak S, et al. (2022) Chemotherapy induces feedback up-regulation of CD44v6 in colorectal cancer initiating cells through β -catenin/MDR1 signaling to sustain chemoresistance. *Frontiers in oncology*, 12, 906260.

Ye Z, et al. (2021) The GSK3 β - β -catenin-TCF1 pathway improves naive T cell activation in old adults by upregulating miR-181a. NPJ aging and mechanisms of disease, 7(1), 4.

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

Sorrenson B, et al. (2021) A role for PAK1 mediated phosphorylation of β -catenin Ser552 in the regulation of insulin secretion. The Biochemical journal, 478(8), 1605.

Tripathi SK, et al. (2021) SOX9 promotes epidermal growth factor receptor-tyrosine kinase inhibitor resistance via targeting β -catenin and epithelial to mesenchymal transition in lung cancer. Life sciences, 277, 119608.

Perfetto M, et al. (2021) The RNA helicase DDX3 induces neural crest by promoting AKT activity. Development (Cambridge, England), 148(2).

Lepore Signorile M, et al. (2021) Pharmacological targeting of the novel β -catenin chromatin-associated kinase p38 β in colorectal cancer stem cell tumorspheres and organoids. Cell death & disease, 12(4), 316.

Alzofon N, et al. (2021) Mastermind Like Transcriptional Coactivator 3 (MAML3) Drives Neuroendocrine Tumor Progression. Molecular cancer research : MCR, 19(9), 1476.