

# Resource Summary Report

Generated by [NIF](#) on Aug 24, 2026

## pLKO.1.sh.beta-catenin.2279

RRID:Addgene\_19762

Type: Plasmid

### Proper Citation

RRID:Addgene\_19762

### Plasmid Information

**URL:** <http://www.addgene.org/19762>

**Proper Citation:** RRID:Addgene\_19762

**Insert Name:** small hairpin RNA against beta-catenin

**Organism:** Homo sapiens

**Bacterial Resistance:** Ampicillin

**Defining Citation:** [PMID:18794900](#)

**Vector Backbone Description:** Backbone Size:7032; Vector Backbone:pLKO.1 puro; Vector Types:Mammalian Expression, Lentiviral, RNAi; Bacterial Resistance:Ampicillin

**Comments:** 2279 refers to the shRNA clone name from the RNAi Consortium at the Broad Institute and indicates the location on the CTNNB1 mRNA that is targeted. shRNA sequence for 2279 is:  
CCGGGCTTGGAATGAGACTGCTGATCTCGAGATCAGCAGTCTCATTCCAAGCTTTTT

**Plasmid Name:** pLKO.1.sh.beta-catenin.2279

**Record Creation Time:** 20220422T222047+0000

**Record Last Update:** 20260815T081148+0000

### Ratings and Alerts

No rating or validation information has been found for pLKO.1.sh.beta-catenin.2279.

No alerts have been found for pLKO.1.sh.beta-catenin.2279.

### Data and Source Information

Source: [Addgene](#)

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## Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Shirai R, et al. (2024) Cadherin-11 contributes to the heterogenous and dynamic Wnt-Wnt- $\beta$ -catenin pathway activation in Ewing sarcoma. PloS one, 19(6), e0305490.

Cheng F, et al. (2022) Trefoil factor 3 promotes pancreatic carcinoma progression via WNT pathway activation mediated by enhanced WNT ligand expression. Cell death & disease, 13(3), 265.

Li L, et al. (2017)  $\beta$ -Catenin Is a Candidate Therapeutic Target for Myeloid Neoplasms with del(5q). Cancer research, 77(15), 4116.

Zhou X, et al. (2017) R-Spondin1/LGR5 Activates TGF $\beta$  Signaling and Suppresses Colon Cancer Metastasis. Cancer research, 77(23), 6589.

Kozinski K, et al. (2016) Adipose- and muscle-derived Wnts trigger pancreatic  $\beta$ -cell adaptation to systemic insulin resistance. Scientific reports, 6, 31553.

Huang T, et al. (2016) A regulatory circuit of miR-125b/miR-20b and Wnt signalling controls glioblastoma phenotypes through FZD6-modulated pathways. Nature communications, 7, 12885.

Pai P, et al. (2016) The canonical Wnt pathway regulates the metastasis-promoting mucin MUC4 in pancreatic ductal adenocarcinoma. Molecular oncology, 10(2), 224.

Qu Y, et al. (2016) Axitinib blocks Wnt/ $\beta$ -catenin signaling and directs asymmetric cell division in cancer. Proceedings of the National Academy of Sciences of the United States of America, 113(33), 9339.