

Resource Summary Report

Generated by [nidm-terms](#) on Sep 1, 2026

pCI SMN2

RRID:Addgene_72287

Type: Plasmid

Proper Citation

RRID:Addgene_72287

Plasmid Information

URL: <http://www.addgene.org/72287>

Proper Citation: RRID:Addgene_72287

Insert Name: SMN2

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:10339583](#)

Vector Backbone Description: Backbone Marker:Promega; Backbone Size:5472; Vector Backbone:pCI; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Please note that the Addgene verified sequence detects multiple SNPs compared to the NCBI reference #NG_008728.1. The depositor confirmed that these mutations should not affect plasmid function.

Plasmid Name: pCI SMN2

Relevant Mutation: contains exons 6-7-8 including introns, multiple SNPs compared to NG_008728.1

Record Creation Time: 20220422T222444+0000

Record Last Update: 20260829T080951+0000

Ratings and Alerts

No rating or validation information has been found for pCI SMN2.

No alerts have been found for pCI SMN2.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Hasselbeck S, et al. (2025) A Chemically Induced CRISPR/dCas13FCPF Platform for Precise and Programmable RNA Regulation. *Journal of medicinal chemistry*, 68(21), 22633.

Liu Z, et al. (2023) Simultaneous multifunctional transcriptome engineering by CRISPR RNA scaffold. *Nucleic acids research*, 51(14), e77.

Tang Z, et al. (2022) CRISPR-Mediated Enzyme Fragment Complementation Assay for Quantification of the Stability of Splice Isoforms. *Chembiochem : a European journal of chemical biology*, 23(9), e202200012.

Marasco LE, et al. (2022) Counteracting chromatin effects of a splicing-correcting antisense oligonucleotide improves its therapeutic efficacy in spinal muscular atrophy. *Cell*, 185(12), 2057.

Derbis M, et al. (2021) Short antisense oligonucleotides alleviate the pleiotropic toxicity of RNA harboring expanded CGG repeats. *Nature communications*, 12(1), 1265.

Tang Z, et al. (2021) Recognition of single-stranded nucleic acids by small-molecule splicing modulators. *Nucleic acids research*, 49(14), 7870.

Wang J, et al. (2019) Using In Vitro and In-cell SHAPE to Investigate Small Molecule Induced Pre-mRNA Structural Changes. *Journal of visualized experiments : JoVE*(143).

Wang J, et al. (2018) Mechanistic studies of a small-molecule modulator of SMN2 splicing. *Proceedings of the National Academy of Sciences of the United States of America*, 115(20), E4604.