

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 5, 2026

pMDC32B-B/c

RRID:Addgene_227963

Type: Plasmid

Proper Citation

RRID:Addgene_227963

Plasmid Information

URL: <http://www.addgene.org/227963>

Proper Citation: RRID:Addgene_227963

Insert Name: B/c

Organism: Other

Bacterial Resistance: Chloramphenicol and Kanamycin

Defining Citation: [PMID:40105245](#)

Vector Backbone Description: Backbone Size:10133; Vector Backbone:pMDC32;
Vector Types:Plant Expression; Bacterial Resistance:Chloramphenicol and Kanamycin

Comments: Please visit <https://doi.org/10.1101/2024.12.18.629176> for bioRxiv preprint.

Plasmid Name: pMDC32B-B/c

Record Creation Time: 20250430T052823+0000

Record Last Update: 20260905T081320+0000

Ratings and Alerts

No rating or validation information has been found for pMDC32B-B/c.

No alerts have been found for pMDC32B-B/c.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Llorens-G??mez JJ, et al. (2026) Enhanced microRNA accumulation and gene silencing efficiency through optimized precursor base pairing. The Plant journal : for cell and molecular biology, 125(1), e70665.

Tomassi AH, et al. (2026) Precision RNAi in Tomato Using Synthetic Trans-Acting Small Interfering RNAs Derived From Minimal Precursors. Plant biotechnology journal, 24(3), 1269.

Cisneros AE, et al. (2025) Effective Gene Silencing in Plants by Synthetic Trans-Acting siRNAs Derived From Minimal Precursors. Bio-protocol, 15(20), e5475.