

Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 5, 2026

pENTR-AtMIR390a-B/c

RRID:Addgene_51778

Type: Plasmid

Proper Citation

RRID:Addgene_51778

Plasmid Information

URL: <http://www.addgene.org/51778>

Proper Citation: RRID:Addgene_51778

Insert Name: AtMIR390a-B/c

Organism: Arabidopsis thaliana

Bacterial Resistance: Chloramphenicol and Kanamycin

Defining Citation: [PMID:24647477](#)

Vector Backbone Description: Backbone Size:2580; Vector Backbone:pENTR; Vector Types:Gateway Cloning; Bacterial Resistance:Chloramphenicol and Kanamycin

Plasmid Name: pENTR-AtMIR390a-B/c

Relevant Mutation: A. thaliana MIR390a precursor sequence including a chloramphenicol-ccdB cassette flanked by two inverted BsaI sites. The BsaI site in the ccdB gene was mutated to block the site.

Record Creation Time: 20220422T222304+0000

Record Last Update: 20260905T075748+0000

Ratings and Alerts

No rating or validation information has been found for pENTR-AtMIR390a-B/c.

No alerts have been found for pENTR-AtMIR390a-B/c.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

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.

Cisneros AE, et al. (2025) Syn-tasiR-VIGS: virus-based targeted RNAi in plants by synthetic trans-acting small interfering RNAs derived from minimal precursors. Nucleic acids research, 53(5).

Cisneros AE, et al. (2023) Transgene-free, virus-based gene silencing in plants by artificial microRNAs derived from minimal precursors. Nucleic acids research, 51(19), 10719.

Carbonell A, et al. (2019) Design, Synthesis, and Functional Analysis of Highly Specific Artificial Small RNAs with Antiviral Activity in Plants. Methods in molecular biology (Clifton, N.J.), 2028, 231.