

Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 2, 2026

pcDNA3-miR21

RRID:Addgene_21114

Type: Plasmid

Proper Citation

RRID:Addgene_21114

Plasmid Information

URL: <http://www.addgene.org/21114>

Proper Citation: RRID:Addgene_21114

Insert Name: miR-21

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:19359480](#)

Vector Backbone Description: Backbone Size:5428; Vector Backbone:pcDNA3.1(+)
(Invitrogen); Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pcDNA3-miR21

Record Creation Time: 20220422T222054+0000

Record Last Update: 20260902T043908+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3-miR21.

No alerts have been found for pcDNA3-miR21.

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 [PRECISE-TBI](#) .

Arisan ED, et al. (2021) MiR-21 Is Required for the Epithelial-Mesenchymal Transition in MDA-MB-231 Breast Cancer Cells. International journal of molecular sciences, 22(4).

Nonaka CKV, et al. (2021) Therapeutic miR-21 Silencing Reduces Cardiac Fibrosis and Modulates Inflammatory Response in Chronic Chagas Disease. International journal of molecular sciences, 22(7).

Nara K, et al. (2019) Anti-inflammatory roles of microRNA 21 in lipopolysaccharide-stimulated human dental pulp cells. Journal of cellular physiology, 234(11), 21331.

Velagapudi SP, et al. (2018) Approved Anti-cancer Drugs Target Oncogenic Non-coding RNAs. Cell chemical biology, 25(9), 1086.

Li X, et al. (2018) Selection and Application of Tissue microRNAs for Nonendoscopic Diagnosis of Barrett's Esophagus. Gastroenterology, 155(3), 771.

Kowshik J, et al. (2017) Nimbolide upregulates RECK by targeting miR-21 and HIF-1?? in cell lines and in a hamster oral carcinogenesis model. Scientific reports, 7(1), 2045.

Peng X, et al. (2015) 3,6-Dihydroxyflavone Suppresses Breast Carcinogenesis by Epigenetically Regulating miR-34a and miR-21. Cancer prevention research (Philadelphia, Pa.), 8(6), 509.

Yin S, et al. (2015) Primary microRNA processing is functionally coupled to RNAP II transcription in vitro. Scientific reports, 5, 11992.