

Resource Summary Report

Generated by [RRID](#) on Aug 21, 2026

pcDNA3.1_ionRD

RRID:Addgene_172931

Type: Plasmid

Proper Citation

RRID:Addgene_172931

Plasmid Information

URL: <http://www.addgene.org/172931>

Proper Citation: RRID:Addgene_172931

Insert Name: IonicStrengthSensorRD

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:28853549](#)

Vector Backbone Description: Backbone Size:5338; Vector Backbone:pcDNA3.1;
Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Linker comprises Arginine and Aspartate as positive/negative amino acids.

Plasmid Name: pcDNA3.1_ionRD

Record Creation Time: 20220422T222003+0000

Record Last Update: 20260815T081029+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3.1_ionRD.

No alerts have been found for pcDNA3.1_ionRD.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Khandwala CB, et al. (2025) Direct ionic stress sensing and mitigation by the transcription factor NFAT5. Science advances, 11(8), eadu3194.

Khandwala CB, et al. (2023) Direct ionic stress sensing and mitigation by the transcription factor NFAT5. bioRxiv : the preprint server for biology.