

Resource Summary Report

Generated by [RRID](#) on Aug 18, 2026

pJIT163-2NLSCas9

RRID:Addgene_53064

Type: Plasmid

Proper Citation

RRID:Addgene_53064

Plasmid Information

URL: <http://www.addgene.org/53064>

Proper Citation: RRID:Addgene_53064

Insert Name: Cas9

Organism: Streptococcus pyogenes

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:23929338](#)

Vector Backbone Description: Backbone Marker:pGREEN; Backbone Size:3741; Vector Backbone:pJIT163; Vector Types:Plant expression; Bacterial Resistance:Ampicillin

Plasmid Name: pJIT163-2NLSCas9

Relevant Mutation: Rice codon optimized

Record Creation Time: 20220422T222311+0000

Record Last Update: 20260815T081631+0000

Ratings and Alerts

No rating or validation information has been found for pJIT163-2NLSCas9.

No alerts have been found for pJIT163-2NLSCas9.

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 [RRID](#) .

Pramanik D, et al. (2025) CRISPR/Cas9-Mediated Gene Knockout in Cereal Crops. Current protocols, 5(9), e70210.

Müller SR, et al. (2022) CRISPR/Cas9 suppression of OsAT10, a rice BAHD acyltransferase, reduces p-coumaric acid incorporation into arabinoxylan without increasing saccharification. Frontiers in plant science, 13, 926300.

Cao HX, et al. (2022) From Genome Sequencing to CRISPR-Based Genome Editing for Climate-Resilient Forest Trees. International journal of molecular sciences, 23(2).