

Resource Summary Report

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

[pBUN6I11](#)

RRID:Addgene_50580

Type: Plasmid

Proper Citation

RRID:Addgene_50580

Plasmid Information

URL: <http://www.addgene.org/50580>

Proper Citation: RRID:Addgene_50580

Insert Name: dCas9-KRAB

Organism: Synthetic

Bacterial Resistance: Kanamycin and Spectinomycin

Defining Citation: [PMID:25432517](#)

Vector Backbone Description: Backbone Marker:Mullineaux Lab, see <http://www.pgreen.ac.uk/>; Vector Backbone:pGreen-like binary vector; Vector Types:CRISPR, Plant expression; Bacterial Resistance:Kanamycin and Spectinomycin

Plasmid Name: pBUN6I11

Relevant Mutation: dCas9 that is defective in DNA cleavage; the maize codon-optimized dCas9-KRAB (Krüppel-associated box) vector was constructed for targeted knockdown of genes of interest.

Record Creation Time: 20220422T222259+0000

Record Last Update: 20260815T081607+0000

Ratings and Alerts

No rating or validation information has been found for pBUN6I11.

No alerts have been found for pBUN6I11.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Nuñez-Muñoz L, et al. (2021) Plant drought tolerance provided through genome editing of the trehalase gene. Plant signaling & behavior, 16(4), 1877005.