

Resource Summary Report

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

pX334-U6-DR-BB-DR-Cbh-NLS-hSpCas9n(D10A)-NLS-H1-shorttracr-PGK-puro

RRID:Addgene_42333

Type: Plasmid

Proper Citation

RRID:Addgene_42333

Plasmid Information

URL: <http://www.addgene.org/42333>

Proper Citation: RRID:Addgene_42333

Insert Name: humanized S. pyogenes Cas9 (D10A) nickase

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:23287718](https://pubmed.ncbi.nlm.nih.gov/23287718/)

Vector Backbone Description: Vector Backbone:pUC ori vector; Vector Types:Mammalian Expression, CRISPR; Bacterial Resistance:Ampicillin

Comments: Note, Addgene's quality control sequencing has found a few discrepancies with the depositor's full sequence. The depositing lab is aware of these discrepancies, and they are not thought to affect plasmid function. For more information on Zhang Lab CRISPR Plasmids please refer to: <http://www.addgene.org/crispr/zhang/>

Plasmid Name: pX334-U6-DR-BB-DR-Cbh-NLS-hSpCas9n(D10A)-NLS-H1-shorttracr-PGK-puro

Relevant Mutation: D10A nickase-converting mutation

Record Creation Time: 20220422T222218+0000

Record Last Update: 20260815T081452+0000

Ratings and Alerts

No rating or validation information has been found for pX334-U6-DR-BB-DR-Cbh-NLS-hSpCas9n(D10A)-NLS-H1-shorttracr-PGK-puro.

No alerts have been found for pX334-U6-DR-BB-DR-Cbh-NLS-hSpCas9n(D10A)-NLS-H1-shorttracr-PGK-puro.

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](#) .

Xu J, et al. (2018) Optimized Plasmid Construction Strategy for Cas9. Cellular physiology and biochemistry : international journal of experimental cellular physiology, biochemistry, and pharmacology, 48(1), 131.

Kurz CL, et al. (2017) Peptidoglycan sensing by octopaminergic neurons modulates Drosophila oviposition. eLife, 6.

Maure JF, et al. (2016) Loss of ubiquitin E2 Ube2w rescues hypersensitivity of Rnf4 mutant cells to DNA damage. Scientific reports, 6, 26178.