

Resource Summary Report

Generated by [RRID](#) on Aug 31, 2026

plenti-Lb-Cas12a-2xNLS

RRID:Addgene_155046

Type: Plasmid

Proper Citation

RRID:Addgene_155046

Plasmid Information

URL: <http://www.addgene.org/155046>

Proper Citation: RRID:Addgene_155046

Insert Name: LbCas12a

Organism: Lachnospiraceae bacterium

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:32249828](#)

Vector Backbone Description: Backbone Size:7377; Vector Backbone:lenti CRISPR pXPR_001/Lenti_Cas9_2A_Blast (Addgene plasmid #73310); Vector Types:Mammalian Expression, Lentiviral, CRISPR; Bacterial Resistance:Ampicillin

Comments: The NeoR/KanR cassette contains S177R and E182D mismatches compared to the reference sequence. The depositing lab does not believe these are of functional concern but the construct should be functionally validated prior to experimentation.

Plasmid Name: plenti-Lb-Cas12a-2xNLS

Record Creation Time: 20220422T221849+0000

Record Last Update: 20260829T075749+0000

Ratings and Alerts

No rating or validation information has been found for plenti-Lb-Cas12a-2xNLS.

No alerts have been found for plenti-Lb-Cas12a-2xNLS.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Dupas SJ, et al. (2026) Splice isoform-perturbation coupled to single cell transcriptome profiling reveals functions of microexons in neurogenesis and autism-linked pathways. Nature communications, 17(1), 1217.

Farhangmehr S, et al. (2026) A genome-wide functional analysis of conserved intronic regions reveals essential roles for speckle-associated retained introns. Cell reports, 45(7), 117696.

Xiao MS, et al. (2024) Genome-scale exon perturbation screens uncover exons critical for cell fitness. Molecular cell, 84(13), 2553.

Kryslar AR, et al. (2022) Guide RNAs containing universal bases enable Cas9/Cas12a recognition of polymorphic sequences. Nature communications, 13(1), 1617.