Resource Summary Report

Generated by PRECISE-TBI on Aug 8, 2026

pC0049-EF1a-dPSPCas13b-NES-HIV, H133A/H1058A

RRID:Addgene_103865
Type: Plasmid

Proper Citation

RRID:Addgene_103865

Plasmid Information

URL: http://www.addgene.org/103865

Proper Citation: RRID:Addgene_103865

Insert Name: PspCas13b

Organism: Prevotella sp. P5-125

Bacterial Resistance: Ampicillin

Defining Citation: PMID:29070703

Vector Backbone Description: Backbone Size:9360; Vector Backbone:Unknown; Vector Types:Mammalian Expression, Lentiviral, CRISPR; Bacterial Resistance:Ampicillin

Comments: Benchling link: https://benchling.com/s/seq-gF8829PyBC9oBkazyblL

Plasmid Name: pC0049-EF1a-dPSPCas13b-NES-HIV, H133A/H1058A

Relevant Mutation: Contains the H133A and H1058A mutations which inactivate the HEPN RNase domains of Cas13b.

Record Creation Time: 20220422T221504+0000

Record Last Update: 20260808T080328+0000

Ratings and Alerts

No rating or validation information has been found for pC0049-EF1a-dPSPCas13b-NES-HIV, H133A/H1058A.

No alerts have been found for pC0049-EF1a-dPSPCas13b-NES-HIV, H133A/H1058A.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 6 mentions in open access literature.

Listed below are recent publications. The full list is available at PRECISE-TBI .

Dickmander RJ, et al. (2025) RNA-targeted proteomics identifies YBX1 as critical for efficient HCMV mRNA translation. Proceedings of the National Academy of Sciences of the United States of America, 122(10), e2421155122.

Han M, et al. (2025) Programmable control of spatial transcriptome in live cells and neurons. Nature, 643(8070), 241.

Yu J, et al. (2024) Programmable RNA base editing with photoactivatable CRISPR-Cas13. Nature communications, 15(1), 673.

Apostolopoulos A, et al. (2024) dCas13-mediated translational repression for accurate gene silencing in mammalian cells. Nature communications, 15(1), 2205.

Yu D, et al. (2023) Pseudoknot-targeting Cas13b combats SARS-CoV-2 infection by suppressing viral replication. Molecular therapy : the journal of the American Society of Gene Therapy, 31(6), 1675.

Polanco JC, et al. (2021) Exosomes induce endolysosomal permeabilization as a gateway by which exosomal tau seeds escape into the cytosol. Acta neuropathologica, 141(2), 235.