

Resource Summary Report

Generated by [dkNET](#) on Sep 1, 2026

Cas9/pTREX-n

RRID:Addgene_68708

Type: Plasmid

Proper Citation

RRID:Addgene_68708

Plasmid Information

URL: <http://www.addgene.org/68708>

Proper Citation: RRID:Addgene_68708

Insert Name: Fusion gene Cas9-HA-2xNLS-GFP from vector pMJ920 (Addgene) .

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:26199333](#)

Vector Backbone Description: Backbone Marker:Vazquez and Levin., 1999; Backbone Size:6227; Vector Backbone:pTREX-n; Vector Types:CRISPR; Bacterial Resistance:Ampicillin

Plasmid Name: Cas9/pTREX-n

Relevant Mutation: C4239T mutation that eliminates a BamHI restriction site on the Cas9-GFP ORF.

Record Creation Time: 20220422T222427+0000

Record Last Update: 20260829T080919+0000

Ratings and Alerts

No rating or validation information has been found for Cas9/pTREX-n.

No alerts have been found for Cas9/pTREX-n.

Data and Source Information

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Bertolini MS, et al. (2025) Generation of inositol polyphosphates through a phospholipase C-independent pathway involving carbohydrate and sphingolipid metabolism in *Trypanosoma cruzi*. *mBio*, 16(5), e0331824.

Silveira ACA, et al. (2025) P21 Ablation Unveils Strain-Specific Transcriptional Reprogramming in *Trypanosoma cruzi* Amastigotes. *International journal of microbiology*, 2025, 9919200.

Won MM, et al. (2023) Proximity-Dependent Biotinylation and Identification of Flagellar Proteins in *Trypanosoma cruzi*. *mSphere*, 8(3), e0008823.

Picchi-Constante GFA, et al. (2022) Efficient CRISPR-Cas9-mediated genome editing for characterization of essential genes in *Trypanosoma cruzi*. *STAR protocols*, 3(2), 101324.

Teixeira TL, et al. (2022) Ablation of the P21 Gene of *Trypanosoma cruzi* Provides Evidence of P21 as a Mediator in the Control of Epimastigote and Intracellular Amastigote Replication. *Frontiers in cellular and infection microbiology*, 12, 799668.

Dumoulin PC, et al. (2022) Endogenous Sterol Synthesis Is Dispensable for *Trypanosoma cruzi* Epimastigote Growth but Not Stress Tolerance. *Frontiers in microbiology*, 13, 937910.

Dave N, et al. (2021) A novel mechanosensitive channel controls osmoregulation, differentiation, and infectivity in *Trypanosoma cruzi*. *eLife*, 10.

Lander N, et al. (2020) A CRISPR/Cas9-riboswitch-Based Method for Downregulation of Gene Expression in *Trypanosoma cruzi*. *Frontiers in cellular and infection microbiology*, 10, 68.

Lander N, et al. (2019) Genome Editing by CRISPR/Cas9 in *Trypanosoma cruzi*. *Methods in molecular biology* (Clifton, N.J.), 1955, 61.

Romagnoli BAA, et al. (2018) Improvements in the CRISPR/Cas9 system for high efficiency gene disruption in *Trypanosoma cruzi*. *Acta tropica*, 178, 190.

Lander N, et al. (2017) Endogenous C-terminal Tagging by CRISPR/Cas9 in *Trypanosoma cruzi*. *Bio-protocol*, 7(10).