

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 9, 2026

pICE-RNaseHI-D10R-E48R-NLS-mCherry

RRID:Addgene_60367

Type: Plasmid

Proper Citation

RRID:Addgene_60367

Plasmid Information

URL: <http://www.addgene.org/60367>

Proper Citation: RRID:Addgene_60367

Insert Name: RNase HI-D10R-E48R

Organism: Escherichia coli

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:25030905](#)

Vector Backbone Description: Backbone Size:5044; Vector Backbone:pICE; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pICE-RNaseHI-D10R-E48R-NLS-mCherry

Relevant Mutation: D10R+E48R; catalytically inactive

Record Creation Time: 20220422T222347+0000

Record Last Update: 20260808T081920+0000

Ratings and Alerts

No rating or validation information has been found for pICE-RNaseHI-D10R-E48R-NLS-mCherry.

No alerts have been found for pICE-RNaseHI-D10R-E48R-NLS-mCherry.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Asghar A, et al. (2025) LANA-dependent transcription-replication conflicts and R-loops at the terminal repeats (TR) correlate with KSHV episome maintenance. PLoS pathogens, 21(8), e1013029.

Wen X, et al. (2024) Senataxin deficiency disrupts proteostasis through nucleolar ncRNA-driven protein aggregation. The Journal of cell biology, 223(7).

Yan Q, et al. (2022) Proximity labeling identifies a repertoire of site-specific R-loop modulators. Nature communications, 13(1), 53.

Guh CY, et al. (2022) XPF activates break-induced telomere synthesis. Nature communications, 13(1), 5781.

Park K, et al. (2021) Aicardi-Goutieres syndrome-associated gene SAMHD1 preserves genome integrity by preventing R-loop formation at transcription-replication conflict regions. PLoS genetics, 17(4), e1009523.

Choo JAMY, et al. (2020) The integrated stress response induces R-loops and hinders replication fork progression. Cell death & disease, 11(7), 538.

Wohlberedt K, et al. (2020) Mdm4 supports DNA replication in a p53-independent fashion. Oncogene, 39(25), 4828.

Yan Q, et al. (2019) Mapping Native R-Loops Genome-wide Using a Targeted Nuclease Approach. Cell reports, 29(5), 1369.

Pan X, et al. (2019) FANCM suppresses DNA replication stress at ALT telomeres by disrupting TERRA R-loops. Scientific reports, 9(1), 19110.

Klusmann I, et al. (2018) Chromatin modifiers Mdm2 and RNF2 prevent RNA:DNA hybrids that impair DNA replication. Proceedings of the National Academy of Sciences of the United States of America, 115(48), E11311.

Lu WT, et al. (2018) Drosha drives the formation of DNA:RNA hybrids around DNA break sites to facilitate DNA repair. Nature communications, 9(1), 532.

Onyango DO, et al. (2017) PRPF8 is important for BRCA1-mediated homologous recombination. Oncotarget, 8(55), 93319.