

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 9, 2026

pEGFP?RNASEH1

RRID:Addgene_108699

Type: Plasmid

Proper Citation

RRID:Addgene_108699

Plasmid Information

URL: <http://www.addgene.org/108699>

Proper Citation: RRID:Addgene_108699

Insert Name: RNASEH1 (nuclear isoform)

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:21245041](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:4733; Vector Backbone:pEGFP-N1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: pEGFP?RNASEH1

Record Creation Time: 20220422T221527+0000

Record Last Update: 20260808T080410+0000

Ratings and Alerts

No rating or validation information has been found for pEGFP?RNASEH1.

No alerts have been found for pEGFP?RNASEH1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Ryczek N, et al. (2025) Mechanism of expression regulation of head-to-head overlapping protein-coding genes INO80E and HIRIP3. *Communications biology*, 8(1), 391.

Cermakova K, et al. (2024) Reactivation of the G1 enhancer landscape underlies core circuitry addiction to SWI/SNF. *Nucleic acids research*, 52(1), 4.

Jayakumar S, et al. (2024) PSIP1/LEDGF reduces R-loops at transcription sites to maintain genome integrity. *Nature communications*, 15(1), 361.

Huang TT, et al. (2024) AKT1 interacts with DHX9 to Mitigate R Loop-Induced Replication Stress in Ovarian Cancer. *Cancer research*, 84(6), 887.

Zannini L, et al. (2024) R-loops and impaired autophagy trigger cGAS-dependent inflammation via micronuclei formation in Senataxin-deficient cells. *Cellular and molecular life sciences : CMLS*, 81(1), 339.

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

Smith JR, et al. (2023) MEF2A suppresses stress responses that trigger DDX41-dependent IFN production. *Cell reports*, 42(8), 112805.

Wang Y, et al. (2023) The RNA-binding motif protein 14 regulates telomere integrity at the interface of TERRA and telomeric R-loops. *Nucleic acids research*, 51(22), 12242.

Templeton CW, et al. (2023) p53-dependent R-loop formation and HPV pathogenesis. *Proceedings of the National Academy of Sciences of the United States of America*, 120(35), e2305907120.

Lappin KM, et al. (2022) Cancer-Associated SF3B1 Mutations Confer a BRCA-Like Cellular Phenotype and Synthetic Lethality to PARP Inhibitors. *Cancer research*, 82(5), 819.

Bruno T, et al. (2022) AATF/Che-1 localizes to paraspeckles and suppresses R-loops accumulation and interferon activation in Multiple Myeloma. *The EMBO journal*, 41(22), e109711.

Marasco LE, et al. (2022) Counteracting chromatin effects of a splicing-correcting antisense oligonucleotide improves its therapeutic efficacy in spinal muscular atrophy. *Cell*, 185(12), 2057.

Ghisays F, et al. (2021) RTEL1 influences the abundance and localization of TERRA RNA. *Nature communications*, 12(1), 3016.

Fagan-Solis KD, et al. (2020) A P53-Independent DNA Damage Response Suppresses Oncogenic Proliferation and Genome Instability. *Cell reports*, 30(5), 1385.

Abakir A, et al. (2020) N6-methyladenosine regulates the stability of RNA:DNA hybrids in human cells. *Nature genetics*, 52(1), 48.

Argaud D, et al. (2019) Enhancer-mediated enrichment of interacting JMJD3-DDX21 to ENPP2 locus prevents R-loop formation and promotes transcription. *Nucleic acids research*, 47(16), 8424.