

Resource Summary Report

Generated by [RRID](#) on Sep 3, 2026

pHPRT-DRGFP

RRID:Addgene_26476

Type: Plasmid

Proper Citation

RRID:Addgene_26476

Plasmid Information

URL: <http://www.addgene.org/26476>

Proper Citation: RRID:Addgene_26476

Insert Name: pHPRT-DRGFP

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:11751629](#)

Vector Backbone Description: Backbone Size:1480; Vector Backbone:pgkPURO;
Vector Types:Mammalian Expression, Mouse Targeting; Bacterial Resistance:Ampicillin

Plasmid Name: pHPRT-DRGFP

Record Creation Time: 20220422T222118+0000

Record Last Update: 20260902T045140+0000

Ratings and Alerts

No rating or validation information has been found for pHPRT-DRGFP.

No alerts have been found for pHPRT-DRGFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 23 mentions in open access literature.

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

Lopez KE, et al. (2026) Reciprocal compensation of caspase-2 and p53 regulates the DNA damage response in HCT116 colon cancer cells. *The Journal of biological chemistry*, 302(7), 113199.

Banerjee M, et al. (2026) FASN Inhibition Enhances the Efficacy of Chemotherapy in Colorectal Cancer by Inhibiting the DNA Damage Response. *Cancer research*, 86(10), 2522.

Wang X, et al. (2026) Dysfunctional DNA Mismatch Repair Drives the Evolution of Gene Amplification in MTX-Resistant Human Colorectal Cancer Cells. *International journal of molecular sciences*, 27(9).

Wang Y, et al. (2024) Repression of the SUMO-conjugating enzyme UBC9 is associated with lowered double minutes and reduced tumor progression. *Cancer biology & therapy*, 25(1), 2323768.

Lee H, et al. (2023) Oncogenic Impact of TONSL, a Homologous Recombination Repair Protein at the Replication Fork, in Cancer Stem Cells. *International journal of molecular sciences*, 24(11).

Zheng C, et al. (2023) Multiomics analyses reveal DARS1-AS1/YBX1-controlled posttranscriptional circuits promoting glioblastoma tumorigenesis/radioresistance. *Science advances*, 9(31), eadf3984.

Li RY, et al. (2023) Heavy metal ions exchange driven protein phosphorylation cascade functions in genomic instability in spermatocytes and male infertility. *Nucleic acids research*, 51(7), 3150.

Jiang H, et al. (2022) Retraction: Jiang, H.; Mei, Y.-F. SARS-CoV-2 Spike Impairs DNA Damage Repair and Inhibits V(D)J Recombination In Vitro. *Viruses* 2021, 13, 2056. *Viruses*, 14(5).

Wang Y, et al. (2022) DNA damage repair promotion in colonic epithelial cells by andrographolide downregulated cGAS???STING pathway activation and contributed to the relief of CPT-11-induced intestinal mucositis. *Acta pharmaceutica Sinica. B*, 12(1), 262.

Cavallo F, et al. (2021) Assessing Homologous Recombination and Interstrand Cross-Link Repair in Embryonal Carcinoma Testicular Germ Cell Tumor Cell Lines. *Methods in molecular biology* (Clifton, N.J.), 2195, 113.

Jiang H, et al. (2021) SARS-CoV-2 Spike Impairs DNA Damage Repair and Inhibits V(D)J Recombination In Vitro. *Viruses*, 13(10).

Tamura Y, et al. (2021) Homologous recombination is reduced in female embryonic stem cells by two active X chromosomes. *EMBO reports*, 22(9), e52190.

Ikegami M, et al. (2020) High-throughput functional evaluation of BRCA2 variants of unknown significance. *Nature communications*, 11(1), 2573.

Takagawa Y, et al. (2020) miR-1293, a Candidate for miRNA-Based Cancer Therapeutics, Simultaneously Targets BRD4 and the DNA Repair Pathway. *Molecular therapy : the journal of the American Society of Gene Therapy*, 28(6), 1494.

Ha GH, et al. (2019) Pellino1 regulates reversible ATM activation via NBS1 ubiquitination at DNA double-strand breaks. *Nature communications*, 10(1), 1577.

Cai M, et al. (2019) Inhibiting homologous recombination decreases extrachromosomal amplification but has no effect on intrachromosomal amplification in methotrexate-resistant colon cancer cells. *International journal of cancer*, 144(5), 1037.

Jiang H, et al. (2019) Chromatin-bound cGAS is an inhibitor of DNA repair and hence accelerates genome destabilization and cell death. *The EMBO journal*, 38(21), e102718.

Lesport E, et al. (2018) Reduced recruitment of 53BP1 during interstrand crosslink repair is associated with genetically inherited attenuation of mitomycin C sensitivity in a family with Fanconi anemia. *Oncotarget*, 9(3), 3779.

Przetocka S, et al. (2018) CtIP-Mediated Fork Protection Synergizes with BRCA1 to Suppress Genomic Instability upon DNA Replication Stress. *Molecular cell*, 72(3), 568.

Gong Y, et al. (2017) PHF11 promotes DSB resection, ATR signaling, and HR. *Genes & development*, 31(1), 46.