

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.