

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

[pXPR_047](#)

RRID:Addgene_107145

Type: Plasmid

Proper Citation

RRID:Addgene_107145

Plasmid Information

URL: <http://www.addgene.org/107145>

Proper Citation: RRID:Addgene_107145

Insert Name: GFP + sgRNA for GFP

Organism: Synthetic

Bacterial Resistance: Ampicillin

Vector Backbone Description: Vector Backbone:pXPR_047; Vector Types:Mammalian Expression, Lentiviral, CRISPR; Bacterial Resistance:Ampicillin

Comments: gRNA sequence is GGTGAACCGCATCGAGCTGA pLKO TRC v2 library vector, Puro selection and eGFP expression.

Plasmid Name: pXPR_047

Record Creation Time: 20220422T221519+0000

Record Last Update: 20260725T073429+0000

Ratings and Alerts

No rating or validation information has been found for pXPR_047.

No alerts have been found for pXPR_047.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Wiggers CRM, et al. (2025) Genome-wide CRISPR screen identifies IRF1 and TFAP4 as transcriptional regulators of Galectin-9 in T cell acute lymphoblastic leukemia. Science advances, 11(12), eads8351.

Muscolini M, et al. (2023) A Genome-Wide CRISPR-Cas9 Loss-of-Function Screening to Identify Host Restriction Factors Modulating Oncolytic Virotherapy. Methods in molecular biology (Clifton, N.J.), 2589, 379.

Huang Y, et al. (2023) EZH2 Cooperates with BRD4-NUT to Drive NUT Carcinoma Growth by Silencing Key Tumor Suppressor Genes. Cancer research, 83(23), 3956.

Kwanten B, et al. (2022) Target Identification of Small Molecules Using Large-Scale CRISPR-Cas Mutagenesis Scanning of Essential Genes. Methods in molecular biology (Clifton, N.J.), 2377, 43.

Rebendenne A, et al. (2022) Bidirectional genome-wide CRISPR screens reveal host factors regulating SARS-CoV-2, MERS-CoV and seasonal HCoVs. Nature genetics, 54(8), 1090.

Li R, et al. (2022) Comparative optimization of combinatorial CRISPR screens. Nature communications, 13(1), 2469.

Hu H, et al. (2021) Targeting the Atf7ip-Setdb1 Complex Augments Antitumor Immunity by Boosting Tumor Immunogenicity. Cancer immunology research, 9(11), 1298.

Rebendenne A, et al. (2021) SARS-CoV-2 triggers an MDA-5-dependent interferon response which is unable to control replication in lung epithelial cells. Journal of virology, 95(8).

Rebendenne A, et al. (2021) Bidirectional genome-wide CRISPR screens reveal host factors regulating SARS-CoV-2, MERS-CoV and seasonal HCoVs. Research square.

Li H, et al. (2019) 6-Phosphogluconate Dehydrogenase Links Cytosolic Carbohydrate Metabolism to Protein Secretion via Modulation of Glutathione Levels. Cell chemical biology, 26(9), 1306.