

Resource Summary Report

Generated by [dkNET](#) on Aug 17, 2026

pgRNA-humanized

RRID:Addgene_44248

Type: Plasmid

Proper Citation

RRID:Addgene_44248

Plasmid Information

URL: <http://www.addgene.org/44248>

Proper Citation: RRID:Addgene_44248

Insert Name: guide RNA

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:23452860](#)

Vector Backbone Description: Vector Backbone:pU6; Vector Types:Mammalian Expression, Lentiviral, CRISPR; Bacterial Resistance:Ampicillin

Plasmid Name: pgRNA-humanized

Record Creation Time: 20220422T222229+0000

Record Last Update: 20260815T081513+0000

Ratings and Alerts

No rating or validation information has been found for pgRNA-humanized.

No alerts have been found for pgRNA-humanized.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 58 mentions in open access literature.

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

Tolkacheva EV, et al. (2026) Novel Small Molecule GLP-1R Agonists Based on 1H-Benzo[d]imidazole-5-Carboxylic Acid Scaffold. *Molecules* (Basel, Switzerland), 31(7).

Amelan A, et al. (2026) CRISPR knockout screens reveal genes and pathways essential for neuronal differentiation and implicate PEDS1 in neurodevelopment. *Nature neuroscience*.

Sivakumaran H, et al. (2026) BRRIAR lncRNA alters breast cancer risk by modulating interferon signaling in cis and in trans. *Molecular cancer*, 25(1), 5.

Zhang W, et al. (2025) Targeted demethylation of the EphA7 promoter inhibits tumorigenesis via the SP1/DNMT1 and PI3K/AKT axes and improves the response to multiple therapies in cervical cancer. *Cell death & disease*, 16(1), 324.

Liesenfelder S, et al. (2025) Epigenetic editing at individual age-associated CpGs affects the genome-wide epigenetic aging landscape. *Nature aging*, 5(6), 997.

Wu R, et al. (2025) Epigenetic Programming of Estrogen Receptor in Adipose Tissue by High Fat Diet Regulates Obesity-Induced Inflammation. *bioRxiv : the preprint server for biology*.

Lavi I, et al. (2025) Unidirectional recruitment between MeCP2 and KSHV-encoded LANA revealed by CRISPR/Cas9 recruitment assay. *PLoS pathogens*, 21(3), e1012972.

Maruna M, et al. (2025) RNA trans-splicing to rescue β -catenin: A novel approach for treating CTNNB1-Haploinsufficiency disorder. *Molecular therapy. Nucleic acids*, 36(3), 102680.

Dong D, et al. (2025) Combined SNPs sequencing and allele specific proteomics capture reveal functional causality underpinning the 2p25 prostate cancer susceptibility locus. *Nature communications*, 16(1), 8950.

Saha S, et al. (2024) IMPA1 dependent regulation of phosphatidylinositol 4,5-bisphosphate and calcium signalling by lithium. *Life science alliance*, 7(2).

Wei GH, et al. (2024) Combined SNPs sequencing and allele specific proteomics capture reveal functional causality underpinning the 2p25 prostate cancer susceptibility locus. *Research square*.

Farrell K, et al. (2024) Phosphorylation of RPT6 Controls Its Ability to Bind DNA and Regulate Gene Expression in the Hippocampus of Male Rats during Memory Formation. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 44(4).

Verbi? A, et al. (2024) Subunits of an E3 Ligase Complex as Degrons for Efficient Degradation of Cytosolic, Nuclear, and Membrane Proteins. *ACS synthetic biology*, 13(3), 792.

McFadden T, et al. (2023) Short-term exposure to an obesogenic diet causes dynamic dysregulation of proteasome-mediated protein degradation in the hypothalamus of female rats. *Nutritional neuroscience*, 26(4), 290.

Wang S, et al. (2023) Epigenetic Regulation of Hepatic Lipid Metabolism by DNA Methylation. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 10(20), e2206068.

Islam Z, et al. (2023) Active enhancers strengthen insulation by RNA-mediated CTCF binding at chromatin domain boundaries. *Genome research*, 33(1), 1.

McFadden T, et al. (2023) Hypothalamic DNA 5-hydroxymethylation levels are altered by diet-induced weight gain during the development of obesity in a sex-specific manner. *Brain research*, 1817, 148478.

Lebar T, et al. (2023) Concatenated Coiled-Coil Tag for Highly Efficient, Small Molecule-Inducible Upregulation of Endogenous Mammalian Genes. *Methods in molecular biology* (Clifton, N.J.), 2577, 197.

McFadden T, et al. (2023) Controlling hypothalamic DNA methylation at the *Pomc* promoter does not regulate weight gain during the development of obesity. *PloS one*, 18(4), e0284286.

Du X, et al. (2022) CRISPR interference for sequence-specific regulation of fibroblast growth factor receptor A in *Schistosoma mansoni*. *Frontiers in immunology*, 13, 1105719.