

Resource Summary Report

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CRISPOR

RRID:SCR_015935

Type: Tool

Proper Citation

CRISPOR (RRID:SCR_015935)

Resource Information

URL: <http://crispor.tefor.net>

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Description: Web application that helps design, evaluate and clone guide sequences for the CRISPR/Cas9 system. This sgRNA design tool assists with guide selection in a variety of genomes and pre-calculated results for all human coding exons as a UCSC Genome Browser track.

Resource Type: software resource, web application

Defining Citation: [PMID:27380939](#)

Keywords: rna, sg, sgrna, crispr, genome, off-target, prediction, accuracy, clone, cas9, coding, exon

Funding: Agence Nationale pour la Recherche ;
California Institute of Regenerative Medicine GC1R-06673C;
Fondation pour la Recherche Médicale DEQ20140329544;
MRC 53658;
NCI U54 HG007990;
NHGRI U41 HG002371;
NIH Office of the Director U42 OD011174

Availability: Free, Available for download

Resource Name: CRISPOR

Resource ID: SCR_015935

Alternate URLs: <https://github.com/maximilianh/crisporWebsite>

License: GPLv3

License URLs: <http://crispor.tefor.net/LICENSE.txt>

Record Creation Time: 20220129T080328+0000

Record Last Update: 20260829T182755+0000

Ratings and Alerts

No rating or validation information has been found for CRISPOR.

No alerts have been found for CRISPOR.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1658 mentions in open access literature.

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

Uprety A, et al. (2026) SETD2 Deficiency Drives Mitochondrial DNA Leakage and Creates a Druggable Dependency on BCL-xL in Clear Cell Renal Cell Carcinoma. Cancer research, 86(15), 3838.

Moreno-Corona N, et al. (2026) Ribosomal RNA processing impairments in a B cell immunodeficient patient with WDR75 variants. Journal of human immunity, 2(4), e20250061.

Adella A, et al. (2026) RRAGD p.(Ser76Leu) Variant Causes Dysregulated Expression of Muscle Development and Cytoskeleton Genes in Cardiomyocytes. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 40(12), e72070.

Ito T, et al. (2026) RLF/ZFP292 stabilize CoREST-linked LSD1 engagement at bivalent promoters to safeguard pluripotency. Cell reports, 45(4), 117293.

Monteagudo-García Ó, et al. (2026) ZC3H13 Loss Drives Cancer Metastatic Progression by Disrupting m6A RNA Methylation. Cancer research, 86(3), 622.

Zhou J, et al. (2026) MeCP2 dysregulation inhibits mitophagy and impairs neural development in cortical organoids. Journal of advanced research, 82, 429.

Wang J, et al. (2026) MsWRKY49 Modulates Pollen Tube Elongation in Response to Boron Deficiency by Regulating Reactive Oxygen Species Homeostasis in Alfalfa. Plant biotechnology journal, 24(2), 856.

Zhang Z, et al. (2026) ABCC10-mediated cGAMP efflux drives cancer cell radiotherapy resistance. Cell death and differentiation, 33(1), 111.

Jang IH, et al. (2026) GDF3 promotes adipose tissue macrophage-mediated inflammation via altered chromatin accessibility during aging. *Nature aging*, 6(1), 127.

Shivamadhu MC, et al. (2026) Redox regulation of cell migration via Nischarin S-glutathionylation. *Free radical biology & medicine*, 243, 16.

He Y, et al. (2026) Bioartificial Livers Developed From Gene-Edited Pig Hepatocyte Organoids Improve Amino Acid and Lipid Profiles in the Plasma of Patients With Liver Failure. *MedComm*, 7(6), e70795.

Sichlinger L, et al. (2026) Schizophrenia risk gene ZNF804A controls ribosome localization and synaptogenesis in developing human neurons. *Science advances*, 12(21), eaea0755.

Xiao W, et al. (2026) UCHL5 suppresses thyroid carcinoma progression via ZRANB1 stabilization and ferroptosis regulation. *Cancer biology & therapy*, 27(1), 2663610.

van Roosmalen RN, et al. (2026) A Stereospecific Lactic Acid Exclusion Biosensor for Grass Silage Fed Green Biorefinery. *Microbial biotechnology*, 19(5), e70374.

Lv X, et al. (2026) CRISPR/Cas9-mediated TOP1 knockout in chicken DF-1 cells reveals its critical role in apoptosis regulation and genomic stability. *Journal of animal science*, 104.

Dell'Oca M, et al. (2026) NEDAMSS syndrome-related truncating and missense mutations are associated with aberrant liquid-liquid phase separation of IRF2BPL. *Nature communications*, 17(1).

Milenkovic A, et al. (2026) Allele-specific suppression of pathogenic bestrophin-1 transcripts by CRISPR/Cas9-mediated genome editing. *Genome medicine*, 18(1).

Wang W, et al. (2026) The exonic SNP rs11676272-C risk allele mediates diet-induced obesity and reduces enhancer activation. *EMBO reports*, 27(9), 2462.

van Vierbergen JFM, et al. (2026) A β plaques induce local pre-synaptic toxicity in human iPSC-derived neuron xenografts. *Stem cell reports*, 21(1), 102754.

Machado de Amorim A, et al. (2026) Mechanistic insights into recruitment and regulation of the RNA helicase UPF1 in replication-dependent histone mRNA decay. *Nature communications*, 17(1), 155.