

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

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

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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 1320 mentions in open access literature.

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

Keskinen T, et al. (2026) Genetic Correction of the Most Common Mutation Causing Primary Hyperoxaluria Restores Enzyme Localization and Oxalate Metabolism. *Journal of inherited metabolic disease*, 49(1), e70122.

Shao S, et al. (2026) ZDHHC2-Dependent Palmitoylation Dictates Ferroptosis and Castration Sensitivity in Prostate Cancer via Controlling ACSL4 Degradation and Lipid Peroxidation. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(1), e14077.

Kinoshita S, et al. (2026) Astrocytic Igfbp2 Promotes Spontaneous Seizures in a Mouse Model of Mesial Temporal Lobe Epilepsy. *Glia*, 74(1), e70099.

Thompson AD, et al. (2025) 5-Hydroxytryptamine 1F receptor loss reduces renal vasculature and prevents lasmiditan-induced recovery following moderate-severe acute kidney injury in mice. *American journal of physiology. Renal physiology*, 329(6), F834.

Cortolezzis Y, et al. (2025) Post-transcriptional control of KRAS: functional roles of 5'UTR RNA G-quadruplexes, long noncoding RNA, and hnRNPA1. *Nucleic acids research*, 53(17).

Weisman AS, et al. (2025) Efficient iterative CRISPR/Cas9 editing using sid-1 co-conversion and feeding RNAi in *Caenorhabditis elegans*. *G3 (Bethesda, Md.)*, 15(8).

Nihashi A, et al. (2025) Inducible NMDA receptor knockdown reveals a maintenance phase in dendritic refinement of barrel cortex neurons. *iScience*, 28(8), 113229.

Hata Y, et al. (2025) snRNA-seq analysis of the moss *Physcomitrium patens* identifies a conserved cytokinin-ESR module promoting pluripotent stem cell identity. *Developmental*

cell, 60(13), 1884.

Lee S, et al. (2025) Combining Multiplexed CRISPR/Cas9-Nickase and PARP Inhibitors Efficiently and Precisely Targets Cancer Cells. *Cancer research*, 85(15), 2890.

Ding X, et al. (2025) OASIS: in vivo AAV-mediated transduction and genome editing of adult oligodendrocytes. *bioRxiv : the preprint server for biology*.

Johnstone ME, et al. (2025) DEK promotes mammary hyperplasia and is associated with H3K27me3 epigenetic modifications. *Life science alliance*, 8(9).

Pacheco S, et al. (2025) ABC transporters knockout in *Aedes aegypti* induces upregulation of paralogous genes, avoiding resistance development to *Bacillus thuringiensis* Cry toxins. *PloS one*, 20(7), e0327221.

Tavares AH, et al. (2025) TGF- β 1-dependent expression of FOXS1 attenuates adipogenic potential and enhances a myofibroblast cellular phenotype. *The Journal of biological chemistry*, 301(9), 110563.

Wang X, et al. (2025) Chloroplast acetyltransferase GNAT2 acts as a redox-regulated switch for state transitions in tomato. *Molecular horticulture*, 5(1), 39.

Ren BR, et al. (2025) Optimizing encephalomyocarditis virus VP1 protein assembly on pseudorabies virus envelope via US9 protein anchoring. *Virulence*, 16(1), 2445235.

Li Y, et al. (2025) MLLT3 Regulates Melanoma Stemness and Progression by Inhibiting HMGB1 Nuclear Entry and MAGEA1 M5C Modification. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 12(10), e2408529.

Song N, et al. (2025) Semi-rational design and modification of phosphoketolase to improve the yield of tyrosol in *Saccharomyces cerevisiae*. *Synthetic and systems biotechnology*, 10(1), 294.

Debaenst S, et al. (2025) Crispant analysis in zebrafish as a tool for rapid functional screening of disease-causing genes for bone fragility. *eLife*, 13.

Mazzaferro E, et al. (2025) Functionally characterizing obesity-susceptibility genes using CRISPR/Cas9, in vivo imaging and deep learning. *Scientific reports*, 15(1), 5408.

Sha Y, et al. (2025) SUGAR-seq reveals the transcriptome and N-linked glycosylation landscape of mononuclear phagocytes at single-cell resolution in a mouse model of autosomal dominant osteopetrosis type 2. *BMC biology*, 23(1), 91.