

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: web application, software resource

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

Record Last Update: 20260728T043510+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 1320 mentions in open access literature.

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

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.