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

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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.

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

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.

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

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

Chung E, et al. (2025) The thin descending limb of the loop of Henle originates from proximal tubule cells during mouse kidney development. bioRxiv : the preprint server for biology.

Zeng S, et al. (2025) Inhibition of triglyceride metabolism-associated enhancers alters lipid deposition during adipocyte differentiation. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 39(2), e70347.

Nyikó T, et al. (2025) INCREASED DNA METHYLATION 3 forms a potential chromatin remodelling complex with HAIRPLUS to regulate DNA methylation and trichome development in tomato. The Plant journal : for cell and molecular biology, 121(6), e70085.

Farinati S, et al. (2025) Unlocking male sterility in horticultural crops through gene editing technology for precision breeding applications: presentation of a case study in tomato. Frontiers in plant science, 16, 1549136.

de la Cruz E, et al. (2025) Epicardial VEGFC/D signaling is essential for coronary lymphangiogenesis. EMBO reports, 26(11), 2803.

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.

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.

Zhang Y, et al. (2025) Potassium molybdate blocks APN-dependent coronavirus entry by degrading receptor via PIK3C3-mediated autophagy. Journal of virology, 99(1), e0144924.

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.