

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: 20260912T200035+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 [T1D](#) .

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.

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

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

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

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.

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,

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

Zhao D, et al. (2026) Tomato antiviral ubiquitin-proteasome system recognizes viral 59 kDa protein to confer tomato chlorosis virus resistance. *Nature communications*, 17(1).

Yasmin K, et al. (2026) Chromatin binding and N-terminal domains of DNMT3B1 confer specificity for developmentally regulated CpG island methylation. *Genes & development*, 40(9-10), 666.

Bak K, et al. (2026) Matrix Gla Protein Expression in Pericytes and Myofibroblasts Contributes to Renal Fibrosis. *The American journal of pathology*, 196(3), 669.

He S, et al. (2026) Signal Peptide Engineering and Codon Optimization to Enhance β -Gal A Activity for rAAV Gene Therapy of Fabry Disease. *Journal of inherited metabolic disease*, 49(2), e70168.

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.

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).

Grubben J, et al. (2026) Influence of gRNA efficiency and inversion size on the frequency of CRISPR/Cas9-induced chromosomal inversions in tomato protoplasts. *BMC plant biology*, 26(1).

Chen Y, et al. (2026) HIV-1 Vpr is targeted for degradation by autophagy. *PLoS pathogens*, 22(3), e1014020.

Kong H, et al. (2026) Cyclophilin A stabilizes the capsid protein p72 to facilitate African swine fever virus replication. *Nature communications*, 17(1).

Zhao DS, et al. (2026) Tryptophanol enhances nitrogen assimilation in marine diatoms. *Nature communications*, 17(1).