

Resource Summary Report

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CHOPCHOP

RRID:SCR_015723

Type: Tool

Proper Citation

CHOPCHOP (RRID:SCR_015723)

Resource Information

URL: <http://chopchop.cbu.uib.no/>

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Description: Web application for designing gRNAs for CRISPR/Cas9 experiments. It selects target sites for CRISPR/Cas9, CRISPR/Cpf1 or TALEN-directed mutagenesis.

Synonyms: CHOPCHOP v2

Resource Type: authoring tool, software application, software resource, web application

Defining Citation: [PMID:24861617](#), [PMID:27185894](#)

Keywords: mutagenesis, talen, grna, crispr, cas9, cpf1, experiment design, target site, genetic engineering

Funding: NHGRI P50 HG005550

Availability: Freely available

Resource Name: CHOPCHOP

Resource ID: SCR_015723

Record Creation Time: 20220129T080327+0000

Record Last Update: 20260903T235319+0000

Ratings and Alerts

No rating or validation information has been found for CHOPCHOP.

No alerts have been found for CHOPCHOP.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2045 mentions in open access literature.

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

Kunishima A, et al. (2026) Depleting HIF α attenuates the progression of osteosarcoma, but tumorigenicity is sustained through HIF-independent pathways. *Oncology reports*, 55(5).

Wafer R, et al. (2026) A quantitative in vivo CRISPR-imaging platform identifies regulators of hyperplastic and hypertrophic adipose morphology in zebrafish. *eLife*, 14.

Goel T, et al. (2026) Disruption of chrna5 blunts aversion and adaptive transcriptomic responses to nicotine and alcohol. *iScience*, 29(2), 114735.

Hong J, et al. (2026) Presenilin 2 regulates corticosterone-induced autophagic death of adult hippocampal neural stem cells. *Animal cells and systems*, 30(1), 35.

Suresh V, et al. (2026) Modelling EWS::FLI1 protein fluctuations reveal determinants of tumor plasticity in Ewing sarcoma. *EMBO molecular medicine*, 18(2), 646.

Kourtesakis A, et al. (2026) A comparative analysis of CD70-directed CAR-T cells for glioblastoma treatment demonstrates a superior efficacy of the ligand-based construct. *Molecular therapy. Oncology*, 34(1), 201134.

Kohabir KAV, et al. (2026) Toward point-of-care and amplification-free detection of human cytomegalovirus using CRISPR-Cas12a. *iScience*, 29(7), 116494.

Chugunova A, et al. (2026) ER-mitochondria contacts and mitochondrial fusion correlate with increased mitochondrial activity during vertebrate embryogenesis. *Cell reports*, 45(7), 117615.

Wang M, et al. (2026) p53 Drives Lung Cancer Regression through a TSC2/TFEB-dependent Senescence Program. *Cancer discovery*, 16(2), 391.

Hohmann U, et al. (2026) An ATP-gated molecular switch orchestrates human mRNA export. *Nature*, 649(8098), 1042.

Datar SA, et al. (2026) A Large Animal Model of Heritable Pulmonary Arterial Hypertension Using Gene-edited BMPR2 Sheep. *bioRxiv : the preprint server for biology*.

Brown APA, et al. (2026) Establishment of Efficient CRISPR-Cas9 PEG-Mediated DNA-Free Genome Editing Through Ribonucleoproteins Method in Hexaploid Sweetpotato (*Ipomoea batatas* L. (Lam)) Targeting the EIF-4E Genes. *Plants (Basel, Switzerland)*, 15(3).

Saito A, et al. (2026) Cytomegalovirus-encoded immediate early 1 protein perturbs neural progenitor proliferation via interfering with host PML-DISC1 interaction. *The Journal of biological chemistry*, 302(3), 111269.

Li Z, et al. (2026) One-pot recombinase polymerase amplification and CRISPR/Cas12a assay for *Cryptococcus neoformans*. *Applied microbiology and biotechnology*, 110(1), 61.

Hancock MB, et al. (2026) Multi-omic analyses identify molecular targets of Chd7 that contribute to CHARGE syndrome model phenotypes. *Disease models & mechanisms*, 19(3).

Fang Q, et al. (2026) Ubiquitylation of DNA polymerase ϵ via atypical K27 chains signals a DNA damage response. *Nucleic acids research*, 54(7).

Kalenderoglou N, et al. (2026) miR-10b-5p regulates adipocyte lineage commitment and adipogenesis via targeting of Gata6 and Tubby. *Cell communication and signaling : CCS*, 24(1).

Hirsch RM, et al. (2026) CD73 restrains mutant β -catenin oncogenic activity in endometrial carcinomas. *JCI insight*, 11(2).

Yao Y, et al. (2026) Gasdermin B-mediated pyroptosis as a host defense against swine enteric coronaviruses and its antagonism by PEDV. *mBio*, 17(2), e0290425.

Heshami N, et al. (2026) Pinopsin Regulates Melatonin Production and Daily Locomotor Activity: Functional Insights From Gene-Edited *Xenopus* Tadpoles. *Journal of pineal research*, 78(2), e70114.