Resource Summary Report

Generated by RRID on Aug 5, 2026

CHOPCHOP

RRID:SCR_015723
Type: Tool

Proper Citation

CHOPCHOP (RRID:SCR_015723)

Resource Information

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

Proper Citation: CHOPCHOP (RRID:SCR_015723)

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

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: 20260805T044342+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 1652 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

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.

Li Y, et al. (2026) Stage- and tissue-specific gene editing using 4-OHT-inducible Cas9 in whole organism. The Journal of cell biology, 225(4).

Popek M, et al. (2026) Astrocytic TCF7L2 Impacts Brain Osmoregulation and Restricts Neuronal Excitability. Glia, 74(2), e70103.

Khan A, et al. (2026) HMPV-TherResDB: Comprehensive human metapneumovirus (HMPV) database for sequence-structure annotations, vaccine resources, and therapeutics research. Virus research, 363, 199665.

Ávila A, et al. (2026) Dual Phosphorylation of Thr175 and Ser176 Is Essential for SnRK1?1 Activation. Physiologia plantarum, 178(1), e70726.

Li Y, et al. (2026) PLIN5 deficiency ameliorates metabolic dysfunction?associated fatty liver disease by inhibiting ferroptosis. Molecular medicine reports, 33(1).

Kourtesakis A, et al. (2025) Utilization of universal-targeting mSA2 CAR-T cells for the treatment of glioblastoma. Oncoimmunology, 14(1), 2518631.

José O, et al. (2025) Different populations of mouse egg cortical vesicles are responsible for post-fertilization zinc sparks and proteolysis of the zona pellucida. iScience, 28(6), 112606.

Lu C, et al. (2025) Mediator regulates transcriptional termination through crosstalk with pre-mRNA 3' end processing factors. Molecular cell, 85(11), 2147.

Kahlhofer J, et al. (2025) TXNIP mediates LAT1/SLC7A5 endocytosis to limit amino acid uptake in cells entering quiescence. The EMBO journal, 44(23), 7119.

Natale CA, et al. (2025) LNS8801: An Enantiomerically Pure Agonist of the G Protein-Coupled Estrogen Receptor Suitable for Clinical Development. Cancer research communications, 5(4), 556.

Teisseire M, et al. (2025) De Novo Serine Synthesis Is a Metabolic Vulnerability That Can Be Exploited to Overcome Sunitinib Resistance in Advanced Renal Cell Carcinoma. Cancer research, 85(10), 1857.

Goryunova M, et al. (2025) Molecular docking and biological evaluation of a novel IWS1 inhibitor for the treatment of human retroperitoneal liposarcoma. Scientific reports, 15(1), 22965.

Li S, et al. (2025) Transdermal microneedle-assisted ultrasound-enhanced CRISPRa system to enable sono-gene therapy for obesity. Nature communications, 16(1), 1499.

Chowdhury SR, et al. (2025) RNA Pol-II transcripts in nucleolar associated domains of cancer cell nucleoli. Nucleus (Austin, Tex.), 16(1), 2468597.

Ho Ching Chan B, et al. (2025) A stable NTN1 fluorescent reporter chicken reveals cell specific molecular signatures during optic fissure closure. Scientific reports, 15(1), 10096.

Rai MN, et al. (2025) Efficient mutagenesis and genotyping of maize inbreds using biolistics, multiplex CRISPR/Cas9 editing, and Indel-Selective PCR. Plant methods, 21(1), 43.

Bögershausen N, et al. (2025) SEC24C deficiency causes trafficking and glycosylation abnormalities in an epileptic encephalopathy with cataracts and dyserythropoeisis. JCI insight, 10(9).

Trachsel-Moncho L, et al. (2025) SNX10 functions as a modulator of piecemeal mitophagy and mitochondrial bioenergetics. The Journal of cell biology, 224(5).

Raas Q, et al. (2025) TBK1 is involved in programmed cell death and ALS-related pathways in novel zebrafish models. Cell death discovery, 11(1), 98.