

Resource Summary Report

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CRISPick

RRID:SCR_025148

Type: Tool

Proper Citation

CRISPick (RRID:SCR_025148)

Resource Information

URL: <https://portals.broadinstitute.org/gppx/crispick/public>

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Description: Web tool for prediction of sgRNAs. Helps to select optimal guide RNA for gene of interest. Support for designing guide libraries. CRISPick ranks and picks candidate CRISPRko sgRNA sequences for targets provided, while attempting to maximize on-target activity and minimizing off-target activity.

Resource Type: software resource, data access protocol, web service

Keywords: sgRNAs prediction, RNA, gene of interest, pick candidate sequences, CRISPRko/a/i sgRNA sequences, maximize on target activity,

Availability: Free, Freely available

Resource Name: CRISPick

Resource ID: SCR_025148

Record Creation Time: 20240327T053241+0000

Record Last Update: 20260801T042931+0000

Ratings and Alerts

No rating or validation information has been found for CRISPick.

No alerts have been found for CRISPick.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 103 mentions in open access literature.

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

Zhang H, et al. (2026) Multi-Omic Profiling of T Cell-Mediated Rejection After Kidney Transplantation Reveals B Cell Receptor Repertoire Expansion and Its Prognostic Relevance. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 40(1), e71407.

Amiri M, et al. (2026) Distinct Roles of SLC26A3 and CFTR in Surface pH Regulation and Bicarbonate Secretion in Human Intestinal Epithelium. *Acta physiologica (Oxford, England)*, 242(2), e70157.

Yao Y, et al. (2025) The Cullin3-Rbx1-KLHL9 E3 ubiquitin ligase complex ubiquitinates Rheb and supports amino acid-induced mTORC1 activation. *Cell reports*, 44(1), 115101.

Schmidt ENC, et al. (2025) Tonabersat enhances temozolomide-mediated cytotoxicity in glioblastoma by disrupting intercellular connectivity through connexin 43 inhibition. *Molecular oncology*, 19(3), 878.

Peng SQ, et al. (2025) A gain-of-function mutation in ATP6V0A4 drives primary distal renal tubular alkalosis with enhanced V-ATPase activity. *The Journal of clinical investigation*, 135(13).

Provencher L, et al. (2025) CHD6 has poly(ADP-ribose)- and DNA-binding domains and regulates PARP1/2-trapping inhibitor sensitivity via abasic site repair. *Nature communications*, 16(1), 1026.

Yang S, et al. (2025) ACVR2A facilitates trophoblast cell invasion through TCF7/c-JUN pathway in pre-eclampsia progression. *eLife*, 14.

Eden J, et al. (2025) RABGAP1 is a sensor that facilitates the sorting and processing of amyloid precursor protein. *The EMBO journal*, 44(19), 5443.

Fu Y, et al. (2025) ZBP1 orchestrates dynamic transitions between cell death pathways in response to arsenic and hyperosmotic stress. *The Journal of biological chemistry*, 301(12), 110856.

Hazan JM, et al. (2025) Protocol for simplified parallel perturbations using an abridged long non-coding RNA CRISPR library. *STAR protocols*, 6(4), 104110.

Gupta R, et al. (2025) Insulin-Regulated Actin Dynamics is Disrupted in a Human Keratinocyte Model of Hailey Hailey Disease. *bioRxiv : the preprint server for biology*.

Jocher G, et al. (2025) The late-onset Alzheimer's disease risk factor RHBDF2 is a modifier of microglial TREM2 proteolysis. *Life science alliance*, 8(5).

Lee AR, et al. (2025) Incomplete paralog compensation generates selective dependency on TRA2A in cancer. *PLoS genetics*, 21(5), e1011685.

Shirole NH, et al. (2025) Requirement for Cyclin D1 Underlies Cell-Autonomous HIF2 Dependence in Kidney Cancer. *Cancer discovery*, 15(7), 1484.

Sussman JH, et al. (2025) In vivo CRISPR screening reveals epigenetic regulators of hepatobiliary plasticity. *Genes & development*, 39(9-10), 603.

Sun NY, et al. (2025) Identification of the Notch ligand DLK1 as an immunotherapeutic target and regulator of tumor cell plasticity and chemoresistance in adrenocortical carcinoma. *Nature communications*, 16(1), 5511.

Basuroy T, et al. (2025) BCL-XL Dependence is a Subtype Agnostic Actionable Feature of Difficult-to-Treat Kidney Cancers. *bioRxiv : the preprint server for biology*.

Bitler BG, et al. (2025) Claudin-4 as a dual regulator of genome stability and immune evasion in high grade serous ovarian cancer. *Scientific reports*, 15(1), 39257.

Yin JA, et al. (2025) Arrayed CRISPR libraries for the genome-wide activation, deletion and silencing of human protein-coding genes. *Nature biomedical engineering*, 9(1), 127.

Tang T, et al. (2025) Breast cancer stem cell-derived exosomal lnc-PDGFD induces fibroblast-niche formation and promotes lung metastasis. *Oncogene*, 44(9), 601.