A complete CRISPR workflow from the lab to the clinic

Alt-R Guide RNAs: Predesigned and custom

- 1-part sgRNA
- 2-part: crRNA and tracrRNA
- 2-part XT: crRNA XT and tracrRNA (added modifications for stability)
- Labeled tracrRNAs
- Cas12a crRNA
- Custom gRNA—Cas13, pegRNA

Alt-R CRISPR proteins

- *S.p.* Cas9
- *S.p.* HiFi Cas9
- GFP and RFP fluorescent-fusion Cas9
- Cas9 Nickase (D10A and H840A)
- dCas9
- *A.s.* Cas12a (Cpf1) *Ultra*/V3
- *L.b.* Cas12a (Cpf1) *Ultra*/V3

HDR donors and enhancers

- HDR donor oligos (single stranded)
- HDR donor blocks (double stranded)
- Alt-R™ HDR Enhancer V2
- HDR Enhancer Protein
- HDR positive controls

cGMP CRISPR regents

- CGMP gRNA Manufacturing Service
- Aldevron cGMP & RUO proteins

Analysis tools & services

- UNCOVERseq™ off-target nomination
- rhAmpSeq on- and off-target confirmation
- T7E1-based mismatch detection assay

Editing & Analysis Tools

- Alt-R predesigned gRNA order tool
- Alt-R Custom gRNA Design Tool
- CRISPR-Cas9 Design Checker
- Alt-R HDR Design Tool
- rhAmpSeq Analysis tool

Custom CRISPR solutions

Don't see what you're looking for? We are continually expanding our CRISPR product line, and we may have what you need. If you are interested in custom libraries, other CRISPR enzymes, formulations, or other CRISPR tools **talk to our experts today** to discuss customized solutions for your research.

For more information, visit **idtdna.com/CRISPR**

* We guarantee that predesigned Alt-R CRISPR-Cas9 guide RNAs will provide successful editing at the target site, when delivered as a ribonucleoprotein complex as described in the Alt-R User Guides, using Alt-R CRISPR-Cas9 guide RNAs (crRNA:tracrRNA duplex or sgRNA) and either Alt-R S.p. Cas9 nuclease or Alt-R S.p. HiFi Cas9 nuclease. Analysis of editing must be at the DNA level, such as with the Alt-R Genome Editing Detection Kit or DNA sequencing. If successful editing is not observed for a predesigned guide RNA while an appropriate positive control is successful, a one-time "no-cost" replacement of the predesigned Alt-R CRISPR-Cas9 guide RNA will be approved, upon discussion with our Scientific Applications Support team (applicationsupport@idtdna.com). This guarantee does not extend to any replacement product, or to any other incurred or incidental costs or expenses.