

# 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



## 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

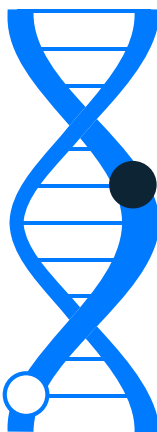
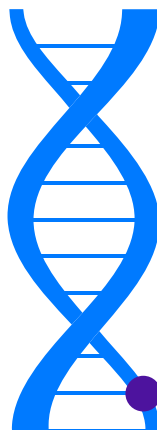


## Analysis tools & services

UNCOVERseq™ off-target nomination

rhAmpSeq on- and  
off-target confirmation

T7E1-based mismatch detection assay



## 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



## cGMP CRISPR reagents

CGMP gRNA Manufacturing Service

Aldevron cGMP & RUO proteins



## 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](https://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](mailto:applicationsupport@idtdna.com)). This guarantee does not extend to any replacement product, or to any other incurred or incidental costs or expenses.

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