

ALT-R™ CRISPR SYSTEM

A COMPLETE WORKFLOW FOR CRISPR PRECISION GENOME EDITING



Alt-R guide RNAs & tools

Alt-R CRISPR-Cas9 design tool & guide RNAs

Guaranteed editing with predesigned chemically modified gRNAs

Predesigned guides
Custom designs
Design checking

Alt-R CRISPR-Cas9 guide RNAs

2-part (crRNA and tracrRNA)
2-part XT (crRNA XT and tracrRNA)
sgRNA (single guide RNA)

Alt-R CRISPR-Cas12a crRNA



Alt-R CRISPR proteins

Optimal editing with high on-target potency and reduced off-target activity

WT Cas9 nuclease • HiFi Cas9 nuclease
Cas9 nickases • dCas9 • Cas12a (Cpf1) nuclease
Cas12a (Cpf1) Ultra nuclease



Alt-R HDR Design Tool & Templates

High HDR rates with modified HDR Donor Oligos

HDR Donor Oligo design
Custom HDR Donor Oligo order
Megamer™ ssDNA Fragments
gBlocks™ Gene Fragments



Alt-R enhancers & controls

Efficient delivery; optimized experiments

Cas9 Electroporation Enhancer and controls
Cas12a Electroporation Enhancer and controls
Alt-R HDR Enhancer



Analysis tools

Simple, fast, T7EI-based assay

Alt-R Genome Editing Detection Kit

Multiplexed, amplicon sequencing for Illumina NGS platforms

rhAmpSeq™ for CRISPR



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, email our CRISPR experts today to discuss customized solutions for your research: CRISPR@idtdna.com.

> FOR MORE INFORMATION, VISIT WWW.IDTDNA.COM/CRISPR.

For Research Use Only. Not for use in diagnostic procedures.

© 2020 Integrated DNA Technologies, Inc. All rights reserved. Alt-R, gBlocks, Megamer, and rhAmpSeq are trademarks of Integrated DNA Technologies, Inc., and are registered in the USA. All other marks are the property of their respective owners. For specific trademark and licensing information, see www.idtdna.com/trademarks. 2617 1020

custom oligos • next generation sequencing • CRISPR genome editing • qPCR & PCR • synthetic biology • functional genomics