

Precision Tools from Gene Discovery to Cell & Gene Therapy Development

Streamline the path from discovery to therapeutic development with one integrated partner—reducing complexity, improving reproducibility, and accelerating translation

1 Target Discovery

- Identify and prioritize high-value gene targets for therapeutic development:
- Synthetic oligos for assay design
- oPool™ Oligo pools for multiplexed target screening
- Customizable arrayed CRISPR gRNA libraries for high-throughput exploration

2 Gene Design and Synthesis & Validation

- Design and build constructs for functional testing and validation:
- eBlock™ & gBlock™ Gene fragments for rapid, scalable screening
- Full clonal genes for functional testing
- Complex & long genes (up to 50kb) via Ansa partnership

3 CRISPR Editing & Gene Regulation

- Enable precise genome editing and targeted gene regulation:
- Alt-R™ CRISPR HPLC gRNAs for targeted genome editing
- High-Fidelity nucleases for reduced off-target editing
- HDR donors and enhancers for high HDR efficiency
- ASOs and RNAi for modulation of gene expression

4 Editing & Expression Analysis

- Quantify editing outcomes and gene expression:
- PrimeTime™ qPCR primers & probes for gene expression
- UNCOVERseq™ for off-target editing nomination
- rhAmpSeq™ CRISPR Analysis System for on-and-off target editing confirmation

Design. Edit. Analyze. Advance.

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