



# Full Length Synthetic sgRNA

Synthego is the first company to deliver a production scale, full length 100-mer synthetic sgRNA product at a practical price and volume. Unlike custom developed solutions that are expensive and can take weeks before transfection readiness, CRISPR Revolution sgRNA ships ready for transfection in 3 to 5 days at 5X lower cost.

## The Benefits of Synthetic sgRNA

CRISPR Revolution sgRNA is not only a critical component for CRISPR therapeutics, but also essential for applications where high purity at a reasonable cost is important.

The benefits of the CRISPR Revolution full synthetic sgRNA include:

**No need to anneal crRNA:tracrRNA** - Higher efficiency and reduced lab time

**Better *in vivo* stability** - Protection against intracellular exonucleases

**100% DNA-free** - No risk of integrating foreign DNA into cell line

**A single oligonucleotide** - Ready for transfection out-of-the box

**Cost-effective** - Highly scalable for large numbers of experiments

**Modified RNA Option** - Improvements in RNA stability and editing efficiency for particular cell types

	Synthego	Comp 1	Comp 2
Editing Results	+++	++	++
Turnaround	3 to 5 Days	2 to 4 Weeks	1 to 2 Weeks
Throughput	High Volume	Low Volume	Low Volume

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