

# High-Quality Clinical-Grade sgRNA for CRISPR-Based Therapies

## Streamline Your Discovery-to-Clinic Journey

Synthego is your trusted partner from discovery to the clinic phase of your CRISPR-based therapy development. With our wealth of CRISPR expertise, proven track record of successful GMP campaigns, extensive testing and stability studies, and expert quality team to aid in IND filing of your gene-modified cell therapy, Synthego can ensure that your transition to the clinic is seamless and rapid.



87

client batches

SINCE MAY 2020



27

companies supported

IN TOX STUDIES  
TO PHASE 1 TRIALS



10

successful audits

BY CRISPR COMPANIES



8

IND & pre-IND

PROJECTS SUPPORTED

STATS AS OF OCT 2022

## Quality Guide of Any Grade For Your CRISPR Needs

Synthego offers industry-leading, high-quality synthetic sgRNAs in three different grades—research grade, GMP-like, and GMP sgRNA—to support every step of your process. The table below summarizes the applications of these different grade levels.

	Research/ Target Screening	Safety, PK Non-GLP	IND-Enabling Studies (GLP, Tox, Safety)	Clinical Trials
<i>Ex vivo</i> Application Risk Tolerant		LARGE-SCALE RUO	GMP-LIKE	GMP
<i>Ex vivo</i> Application Risk Averse		GMP-LIKE	GMP	GMP
<i>In vivo</i> Application Risk Tolerant		GMP-LIKE	GMP-LIKE	GMP
<i>In vivo</i> Application Risk Averse		GMP	GMP	GMP

## Experience the Synthego Difference



### RUO to GMP sgRNA

Synthego is the only vendor offering continuum-grade sgRNA— research, GMP-like, and GMP— to ensure a smooth transition between each stage of your clinical development.



### Quality First

Our unmatched commitment to a culture of quality excellence and our efforts to advance industry standards and regulations means clients can develop safe therapies with confidence.



### Regulatory Support

In addition to providing documentation throughout the entire clinical development process, Synthego uniquely offers in-depth pre-IND, IND, and clinical development support.



### CRISPR Expertise

With more than 1 million synthetic guides synthesized, Synthego is the only GMP sgRNA supplier with unparalleled CRISPR expertise in the industry.

## Leverage Our New Next-Generation GMP Facility

Synthego is committed to providing high-quality clinical grade sgRNA to our clients. Our new next-generation GMP facility is designed to accelerate growth of CRISPR-mediated cell and gene therapies with transformative increase in manufacturing capacity to support more customers globally.



18,000+  
square feet



>20X increase  
in capacity



ISO 9001: 2015  
certification



Compliance with  
ICH Q7, Section 19,  
ICH Q9, ICH Q10