



# Aldevron CRISPR-Associated Nucleases: Fast Track to the Clinic

Aldevron specializes in CRISPR nuclease products as well as custom nuclease development and manufacturing services supporting research, clinical and commercial use. Our inventory of clinical-grade Cas9 nucleases provides a fast, cost-effective sourcing option for your cell or gene therapy projects.

## GMP-S and GMP Products

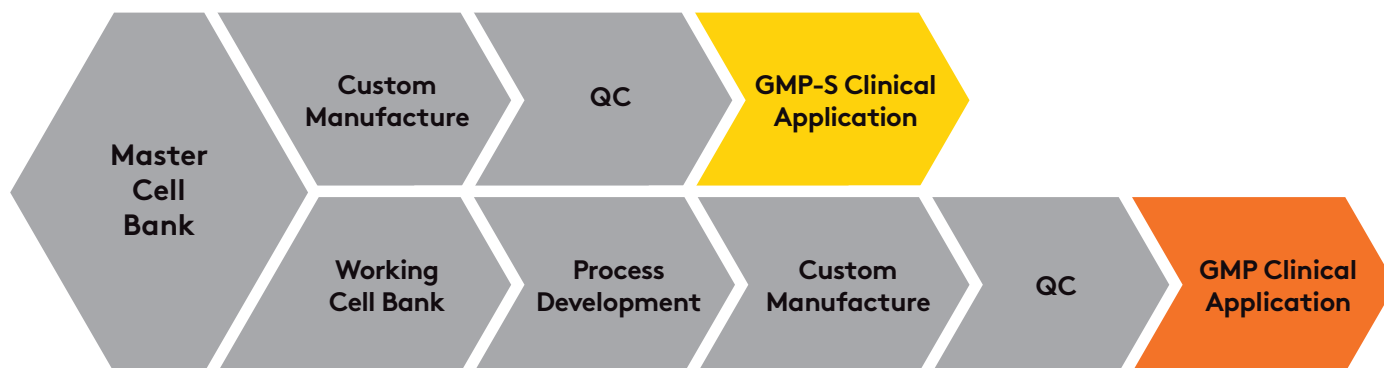
Aldevron’s GMP-Source™ (GMP-S) Cas9 nucleases retain the key hallmarks of GMP manufacturing while reducing costs and shortening development timelines. You can then transition seamlessly to a full GMP process as you progress toward commercialization. As your manufacturing partner, Aldevron can help you save money and time without putting your plans at risk.

- GMP-S and GMP products in inventory for rapid delivery
- Purchase only the amount needed - available in 1 mg, 10 mg and 50 mg pack sizes
- The most comprehensive range of fit-for-purpose QA/QC levels offered
- All product grades manufactured using the same process and released using the same assays and specifications
- For Research Grade products, place your orders online at [www.Aldevron.com/CRISPR](http://www.Aldevron.com/CRISPR)

Manufacturing Environment	GMP-S	GMP
Segregated manufacturing suites with standardized cleaning processes	✓	✓
Product fill in ISO 6 clean room, with ISO 5 Biological Safety Cabinet	✓	✓
Client-tailored release specifications (custom projects only)	✓	✓
Controlled manufacturing environment, unclassified	✓	
Controlled manufacturing environment, ISO classified under full environmental monitoring program		✓
USPD & DSPD with at-scale engineering run		✓
Product-specific master batch records (custom projects only)		✓
Validation of equipment, software, assays, processes & facilities		✓



## GMP-S and GMP Nuclease Custom Manufacturing Processes



Contact us for more information regarding detailed development timelines.

### Custom CRISPR Nucleases

If your requirements are better met by a custom product, Aldevron offers comprehensive options for development and manufacture. Our GMP-S service offers the quickest path to a custom nuclease for preclinical and clinical uses, allowing for seamless transition to a client-specific GMP process. Contact us for more information on custom nuclease development.

### Frequently Asked Questions

#### Why use Aldevron CRISPR nucleases for your cell or gene therapy pipeline?

Our products for research, clinical and commercial stages are manufactured to the same specifications using the same core manufacturing processes, free of beta lactams and animal-derived components. We offer progressive levels of QA to facilitate transitions between each stage of your cell or gene therapy development.

#### What are the advantages in sourcing from Aldevron?

No other supplier offers a more comprehensive range of products and services for CRISPR/Cas9 applications. This includes our research-to-clinical, inventory options along with our custom manufacturing capabilities. Through our Research Grade, GMP-S and GMP inventory offerings, we provide you with readily accessible, high-quality products at an attractive price.

Our SpCas9 and SpyFi™ Cas9 nucleases are optimized for a range of uses, were designed in consultation with leading gene editing experts, and are highly effective in a variety of cell types and applications.

#### How does Aldevron help advance cell and gene therapy development?

Aldevron has CRISPR-associated nucleases that are offered in GMP-S and GMP grades for immediate purchase, allowing you to avoid the lengthy timelines and high costs of custom GMP batch manufacturing. Research Grade products are available to cost effectively satisfy your pre-clinical requirements and are available for immediate purchase and delivery at [Aldevron.com/CRISPR](http://Aldevron.com/CRISPR).

#### Do you have other Cas9 nucleases at a GMP quality grade?

Our high-fidelity SpyFi Cas9 nuclease (engineered with reduced off-target effects without loss of on-target activity) is now available in Research Grade. By the end of 2018, the GMP-S and GMP quality grades will also be available.

We also specialize in manufacturing client-specific CRISPR nuclease designs under Research Grade, GMP-S and GMP quality levels, and we have extensive experience developing and scaling up production of custom CRISPR nucleases for clinical uses.

### Contact us about Aldevron's GMP-S and GMP CRISPR-Associated Nucleases

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