Hongene Biotech

GMP sgRNA Manufacturing

Our High-purity sgRNA Ensures to Meet Your Expectations

In comparison to the traditional synthesis of sgRNA, which may present challenges in terms of purity, consistency, and yield, **blockmers synthesis combined with ligation** technology offers a higher purity sgRNA that may ensures high gene editing efficiency.

Meet the High-purity sgRNA

When it comes to sgRNA for therapeutic applications, purity is a critical factor. Hongene, your trusted raw materials and CDMO supplier, now provides the high-purity GMP-grade sgRNA to support your CRISPR-based therapeutic projects!

100-mer CRISPR-Cas9 SgRNA

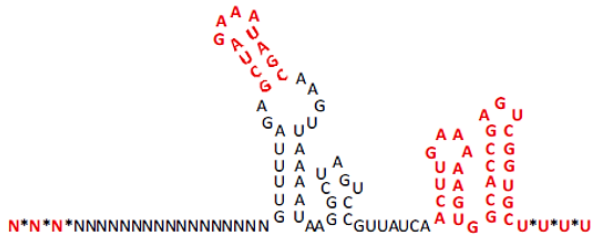
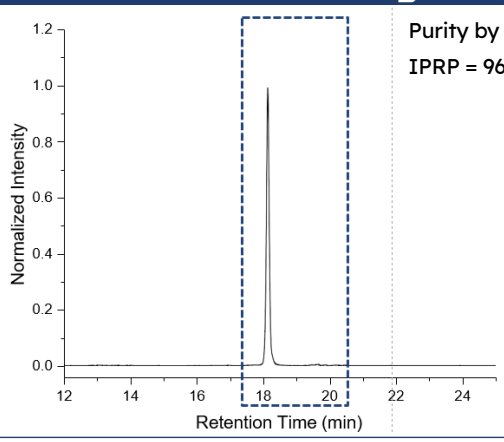


Figure 1: 100-mer CRISPR-Cas9 sgRNA.

Red: 2'OMe bases *: Phosphorothioate

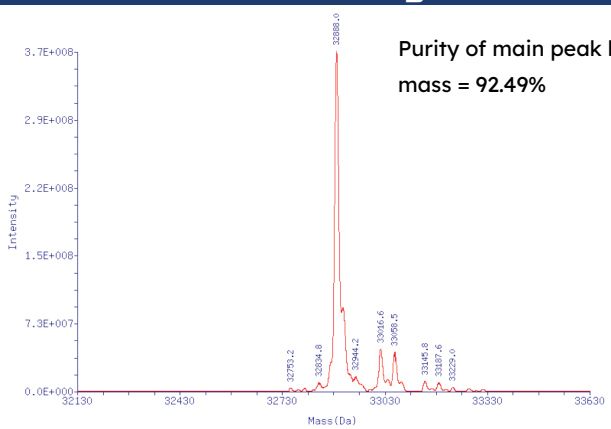
Chemical modifications on CRISPR-Cas9 sgRNAs increase stability, potency and resistance against nuclease activity.

HPLC Purity



Purity by denaturing IPRP = 96.79%

Mass Purity



Purity of main peak by mass = 92.49%

Our high-purity sgRNA exceeds current industry standard, enhancing the efficiency of genome editing while reducing the likelihood of off-target effects.

Why Hongene?

The nucleic acid monomer and synthesis process are key elements in high-quality sgRNA synthesis. That's what Hongene hones in on.

State-of-the-art Facility

Hongene has a comprehensive GMP oligonucleotide production line that can support a project from a small scale to a commercial scale.

Reliable Source Guarantee

The key synthetic raw materials of sgRNA synthesis are produced in-house to guarantee reliable and consistent product quality from the source.

Quality Assurance

Our new synthesis process ensures high purity and fast delivery of sgRNA for in vivo genome editing.

Enhanced sgRNA Stability

Hongene provides chemical modifications that can increase the stability of sgRNA molecules, making them more resistant to degradation by nucleases present in the cellular environment.

Hongene is Here for Your Project!

Tell us your needs by contacting us through the QR code anytime, anywhere.

Hongene Biotech
Your Trusted CDMO and Raw Material Supplier

www.hongene.com
+1-510-931-4711
product.info@hongene.com
Hongene Biotech

29520 Kohoutek Way, Union City, CA. 94587

One Broadway, 14th floor Cambridge, Boston, MA 02142