

GenScript ProBio Provides High-quality Linearized DNA

Linearized DNA has wide application in advanced therapy. GenScript ProBio can be your partner that supports you with either small-scale or large-scale manufacturing service from preclinical through clinical trials, and eventually at commercial stage with phase-appropriate quality grades, analytics, and regulatory support.

Linearized DNA

GenScript ProBio has proven experience from IND to BLA

- Process 1.0 (*E.coli* fermentation)
- ProPlus™ Process (*E.coli* fermentation)
- ProSyn™ Linearized DNA (cell-free technology)

Capability

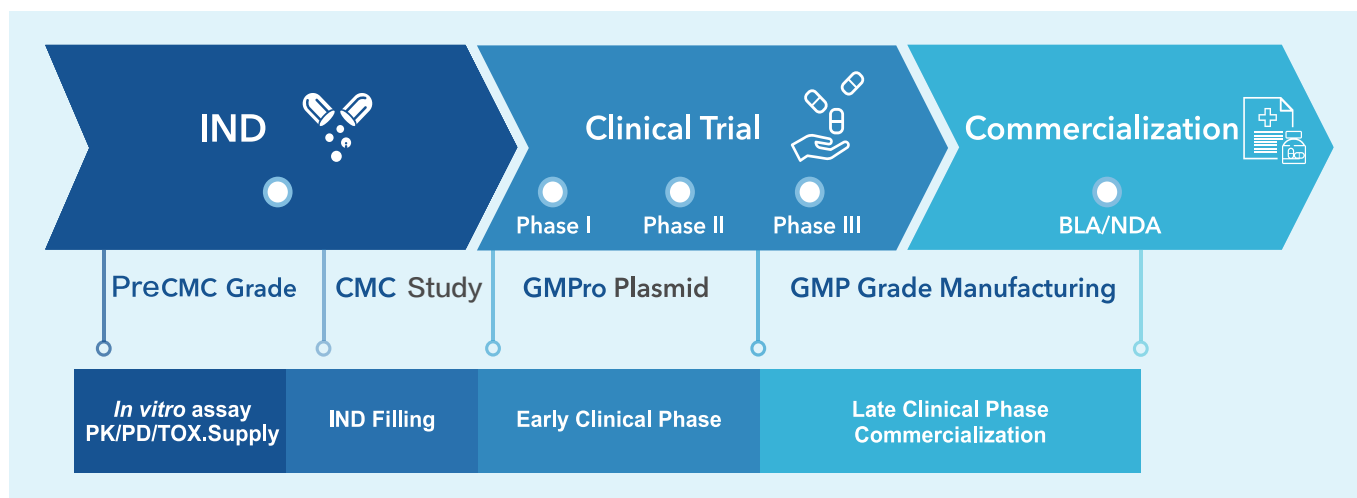
GenScript ProBio offers three options in linearized DNA manufacturing, aiming to accelerate projects from preclinical to commercial stages.

Capacity

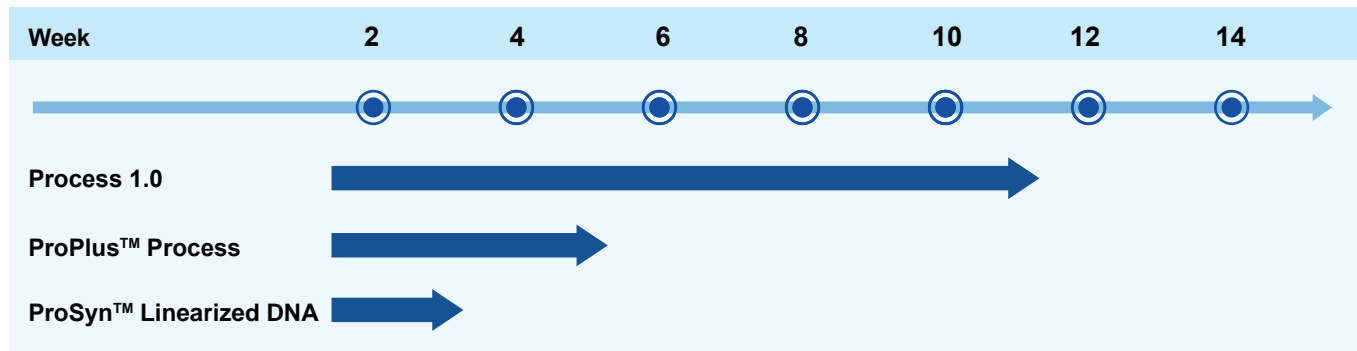
Our state-of-the-art, GMP, multi-production line facility is specially designed to enable your advanced therapy

- *E.coli* fermentation (Process 1.0 & ProPlus™ Process)
 - ✓ GMPPro grade: up to 200L fermentation scale
 - ✓ GMP Grade: up to 300L fermentation scale
- Cell-free technology (ProSyn™ Linearized DNA)
 - ✓ 0.5mg ~ 25mg
- GMP suites specifically designed for efficient production

Integrated One-stop CDMO Solution: Preclinical to GMP Manufacturing

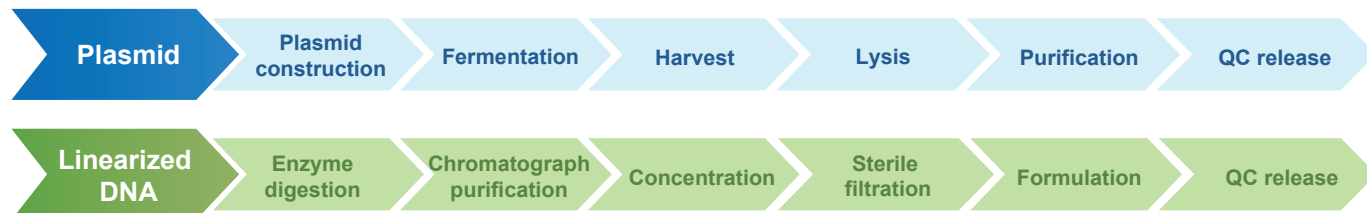


One Batch Linearized DNA Manufacturing

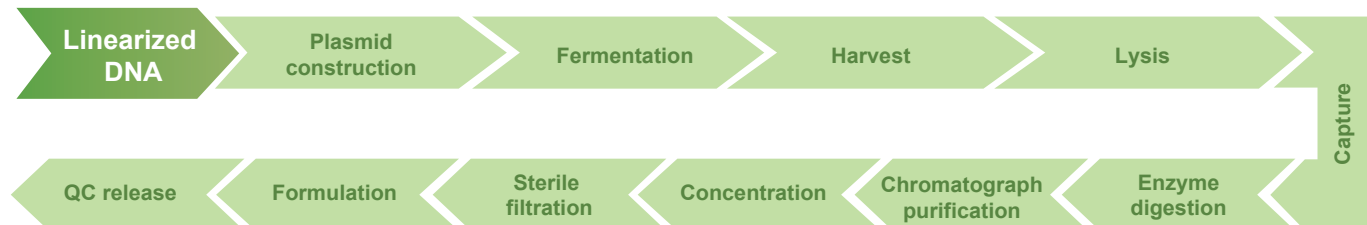


Technical Platforms for Linearized DNA

Process 1.0 (*E. coli* Fermentation)



ProPlus™ Process (*E. coli* Fermentation)



ProSyn™ Linearized DNA (Cell-free Technology)



Process 1.0

- Plasmid manufacturing and QC release
- Linearized DNA manufacturing and QC release
- Suitable for high copy plasmid with high yield

ProPlus™ Process

- Linearized DNA manufacturing and QC release
- **Less purification steps**, improving recovery rate
- Final yield **increases 2~3 times**
- Suitable for low copy plasmid

ProSyn™ DNA

- **RCA** + enzyme digestion (non cell bank)
- 10^{-6} ~ 10^{-7} low error rate
- Proprietary PowerStarry™ Primer Pool: **high universality with structure structure**
- Suitable for small-scale ($\leq 25\text{mg}$) GMP requirement

Company Information

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