

Never compromise on gene synthesis again

Configure Clonal Genes to meet your project's requirements, regardless of scale or complexity

Example applications

Routine cloning & sequence verification

Reliable plasmid DNA to drop into workflows

Scale **Micro: 1-4 µg**

Speed **Express: 4-7 BD**

Purity **Molecular grade**

Docs **Standard COA**

Add-ons **None**

Primary cell transfection

Larger prep scales, minimal endotoxins

Scale **Midi: 10-100 µg**

Speed **Standard: 10 BD**

Purity **Endotoxin-free**

Docs **Animal origin free**

Add-ons **None**

Rapid AI-guided protein engineering

Sequences optimized for expression, shipped in days

Scale **Mini: 4-10 µg**

Speed **Express: 4-7 BD**

Purity **Molecular grade**

Docs **Standard COA**

Add-ons **Codon optimization**

In vitro transcription

DNA ready for IVT template generation

Scale **Mini: 4-10 µg**

Speed **Standard: 15 BD**

Purity **Molecular grade**

Docs **Poly-A QC**

Add-ons **Complex synthesis**

The best way to get your DNA

Order Clonal Genes at twistbioscience.com/genes

Configuration guide

1. What mass yield of DNA do you need?

Micro

1 – 4µg

Default

Mini

4 – 10 µg

Midi

10 – 100 µg

Adds 3 business days to TAT

Maxi

100 µg – 1 mg

Adds 3 business days to TAT

2. How quickly do you need synthesis?

Express

4 – 7 Business days

Not available with complex genes

Standard

10 Business days

Midi/maxi: +3 BD | Complex: +5 BD

Default

3. At what purity do you need your DNA?

Molecular

>10 EU/µg

Default

Transfection

≤10 EU/µg

Default at midi/maxi scale

Endotoxin-free

≤0.1 EU/µg

Only available with midi/maxi scale

4. What documentation do you need?

Certificate of analysis

Report on NGS, concentration, purity

Default

AoF and BSE/TSE certificate

No products of animal origin used in synthesis, cloning or prep

Poly-A analysis

Tail length confirmation. Only available with IVT vectors

5. Are there and final add-ons you need?

Target yield
Mini scale

Minimum mass yield guaranteed

Normalization
Mini, midi, maxi scale

Delivered at target concentration

Glycerol stock
Any order

Repeat preps without reordering

Codon optimization
Any order

LLM-based expression optimization

Complex synthesis
Any order

Reliably generate challenging DNA