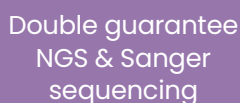
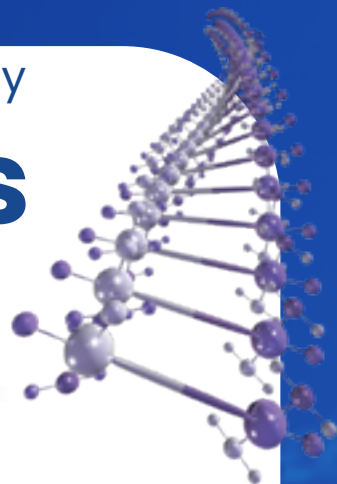


# Tsingke Gene Factory

# Gene Synthesis Service



Codon optimization  
free of charge

# Free

160+ commercial  
vectors available



Fast delivery time  
Cost-effective

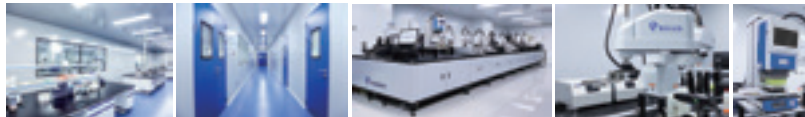


Dedicated support

Tsingke Biotech has a complete industrial chain in nucleic acid synthesis specializing in the development & manufacturing of genomics and biosynthesis products. Tsingke's wide-ranging expertise and specialized platforms offering total solutions from raw materials and equipment to synthetic products and services.

With industry-leading DNA synthesis platform, Tsingke offers high-quality genes (up to 200 kb) and DNA fragments with advanced Tsynth® synthesis technology that are suitable for a variety of applications.

Genes are provided with Tsingke cloning vectors or custom vector of your choice without cloning fees.



## Service Details

| Type                     | Production time(Calendar Day)     | Introduction   |
|--------------------------|-----------------------------------|--|
| Tsynth® gene synthesis   | 5~8 (<1.5 kb)<br>Enquiry(>1.5 kb) | High purity, fast, stability, accuracy, cost-effective and up to 200 kb    |
| DNA fragment             | 2~3 (<1.2 kb)                     | Fulfilling the demands of easy gene construction or modification           |
| Plasmid preparation      | Enquiry                           | Provide research-grade and industrial-grade, endotoxin content<0.005 Eu/μg |
| PCR cloning & Subcloning | 5~8 (<1.5 kb)<br>Enquiry(>1.5 kb) | Subcloning gene into any vector  |
| Mutagenesis              | Enquiry                           | Safe and efficient simple vectors for gene and cell therapy study          |

## Deliverables

- 4 µg of lyophilized plasmid (1 µg for low-copy plasmid)
- Construct map for plasmid (electronic)

- Sequence chromatograms covering your gene and NGS results (electronic)
- Certificate of Analysis

## Applications



DNA  
vaccine research



Virus  
packaging



Antibody  
discovery



Gene and  
cell therapy studies



In vitro  
transcription

## Case Study

### · Quality Control

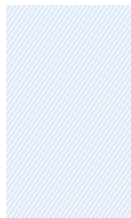


Fig 1.1 Single colonies

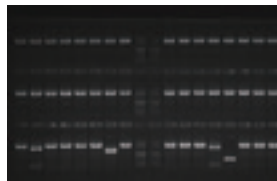


Fig 1.2 PCR identification

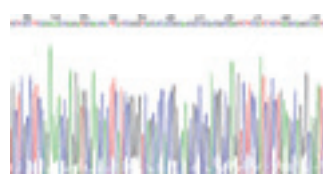


Fig 1.3 Sanger sequencing verification

### · Sophisticated Cases

#### 1. Continuous unit repetition



#### 2. Small segment repetition



#### 3. Poly(A) structure



#### 4. High GC% structure



Contact us



EN [www.tsingke.com](http://www.tsingke.com) | CN [www.tsingke.com.cn](http://www.tsingke.com.cn)

market@tsingke.com.cn | info@tsingke.com.cn

Facebook Tsingke | LinkedIn tsingkebio | Instagram Tsingke Biotech

11.2.250417