

Custom Gene Synthesis

Cat.No.:SG00101

Many experiments from bioengineering to systems biology demand accurate, quick and cost effective gene synthesis. ShineGene synthetic service is built to meet this increasing need, we can construct almost any gene you want, from 60 base pairs to 10k base pairs with 100% accuracy and absolute confidentiality. As a leading supplier for synthetic genes and one of the earliest gene synthesis teams in China, we have already focused on Gene Synthesis methods research and produced thousands of genes for customers all over the world since 2004. As we all know that the key technology of gene synthesis is sequence structure analysis and oligo design. ShineGene has our own unique analysis software, which can help us to accurately analyze gene structure and oligo. In the meantime a new PCR-based gene synthesis technology which could avoid multiple cloning and linking steps of conventional gene synthesis was developed by ShineGene team. Using this technology, ShineGene can synthesize your requested genes at a very competitive price. The largest gene we have produced is 10kb.

lowest price:

Size of Gene	Delivery	Price(USD)
<150bp	10 working days	\$150.00/gene
150 –1.5kb	10-20 working days	\$ 0.54/bp
1.5-3kb	20 -30working days	\$ 0.64/bp
3-5kb	30 -45 working days	\$ 0.70/bp
>5 kb	inquire	\$ 0.70/bp
	Shipping fee	\$35.00 USD per shipment

Absolute confidentiality:

Your gene sequence will be kept completely confidential. If needed, we will sign a non-disclosure or confidentiality agreement stating that we will not use or disclose the sequence of your gene to a third party for any reason.

High quality:

Synthetic gene sequences will be confirmed base-by-base using automated directional fluorescent DNA sequencing, and we guarantee 100% match with your requested sequence.

Flexibility of the service:

We can synthesize almost any gene or cDNA, including complex sequences, such as sequences with a high GC content, highly repetitive sequences, etc.

Custom quantities:

If required, we can supply large quantities of plasmid or DNA fragment according to customer's need.

Related Services & Products:

Codon Optimization In your message, please include:

- Protein or ORF DNA sequence.
- Intended host expression system.

Add: Floor 2, Building A, 328#, Wuhe Road, Minhang District, Shanghai, 201109, China

Tel: +86-21-5446 0832

Fax: +86-21-5446 0831

Web: www.shinegene.org.cn/english

E-mail: master@shinegene.org.cn

- Restriction enzyme cutting sites at both ends.
- Restriction enzyme cutting sites that you want to avoid in the optimized sequence.
- Restriction enzyme cutting sites that you want to keep in the original sequence

Mutagenesis service:

- For gene less than 1kb,\$150/site;
- For gene more than 1kb,\$300/site

PCR cloning and subcloning service:

To order, please provide:

1. Desired target gene sequence, cloning vector and cloning sites.
2. The template and its sequence information.



ShineGene will

1. Perform PCR cloning, subcloning or mutagenesis to get the desired target construct.
2. Deliver about 10ug of plasmid with the sequence information to customer.

Subcloning/PCR cloning Price:

- For gene less than 1kb,\$300 for Subcloning/PCR cloning
- The above list price is only for genes which is less than 1 kb. For longer gene, there is \$100 additional cost per kb for screening and sequencing if the gene requires full sequencing.
- The destination vector must be a commercially available vector



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