

# DNA Sequencing Service

## Services & Prices

Samples	Quantity	Price EUR/reaction	Additional charge/sample
<b>Purified Plasmids</b>	1-10 samples	€ 5.5 EUR each	No
	10-99	€ 4.8 EUR each	No
	100-500	€ 4.5 EUR each	No
	> 500	€ 4.2 EUR each	No
<b>Purified PCR Products</b>	1-10 samples	€ 5.5 EUR each	No
	10-99	€ 4.8 EUR each	No
	100-500	€ 4.5 EUR each	No
<b>Bacterial Stabs or Culture</b>	1-10 samples	€ 5.5 EUR each	Purification: €5.0 EUR each
	10-99	€ 4.8 EUR each	Purification: €4.0 EUR each
	100-500	€ 4.5 EUR each	Purification: €3.0 EUR each
	> 500	€ 4.2 EUR each	Purification: €2.0 EUR each
<b>Crude PCR Products</b>	1-10 samples	€ 5.5 EUR each	Purification: €5.0 EUR each
	10-99	€ 4.8 EUR each	Purification: €4.0 EUR each
	100-500	€ 4.5 EUR each	Purification: €3.0 EUR each
	> 500	€ 4.2 EUR each	Purification: €2.0 EUR each
Ready To Run(including clean-up)**	>96	€ 2.4 EUR each	
<b>Primer synthesis</b>		€ 0.20EUR/base	No

\*\* Sample requirement for ready-to-run samples: We will provide free Bigdye removal for ready-to-run samples. Please send 10 ul sequencing reactions in 8 strip 0.2 ml PCR tubes without further treatment.

\* GC-rich and difficult templates will cost an additional €2.00 per sample.

**Usable sequence data is about 700-900 bases for each reaction by ABI3730.**

**Purified plasmid DNA:** Plasmids should be purified using qualified Plasmid DNA Purification Kit.

**Quantity:** Sample volume should be around 10-20ul in dd-water at a desired concentration of 100ng to 200ng/ul. Total 5ug -10ug of DNA is required per each sequencing reaction. TE is not recommended to dissolve DNA samples.

Template	Concentration(ng/ul)	Volume(ul)
Plasmids(up to 15Kb)	> 100	10 - 20
PCR products	> 25	10- 20
BACs, PACs (ends only)	> 200	25

---

**Bacterial:**

(1) LB stabs

(2) 1 ml of overnight culture containing 15% of glycerol

**Note:**

A. Low copy bacteria stabs or culture are not acceptable. Please send 10 ug of purified plasmid DNA.

B. Please provide all necessary information including insert size, antibiotic resistance.

**Purified PCR products:** PCR products should be purified by qualified PCR Products Purification Kits. Purity: one band should appear on agarose gel. Sample volume should be around 10ul in dd-water at a desired concentration of 25ng/ul. Primers should be at 5-10uM in concentration and 20-50ul in volume.

**Unpurified PCR products:** Sample provided should be at least 2 - 3ug. Primers should be at 5-10uM in concentration and 20-50ul in volume.

**Primers:** We provide approximately 30 universal primers at no additional charge (see list as below). If primers for your sequencing are not included in the list, you will need to provide us the primer. Alternatively, ShineGene could synthesize the primer for you at your cost. Concentration of primers: >5pmole/ul (20-50ul). Chain length of primer should be more than 15 bases, but no longer than 50 bases. Random primers as sequencing primers are not acceptable. DNA sequence, annealing temperature should be provided by the customer.

**Results:** Sequence chromatogram files will be sent to customer electronically. We also provide PDF alignment file upon request.

**Turnaround:** ~3-5 business days. For bulk orders, please inquire.

## Universal Primers

Universal Primer Name	Sequence
3'AOX	GCAAATGGCATTCTGACATCC
BGH reverse	TAGAAGGCACAGTCGAGG
CMV-for	CGCAAATGGGCGGTAGGCGTG
DON1 (forward)	TCGCGTTAACGCTAGCATGGATCTC
DON2 (reverse)	GTAACATCAGAGATTTTGAGACAC
EGFP-C	ATGGTCCTGCTGGAGTTC
EGFP-N	CGTCGCCGTCCAGCTCGACCAG
GLprimer1	TGTATCTTATGGTACTGTAAGTCTG
GLprimer2	CTTTATGTTTTTGGCGTCTTCC

M13 Forward	GTAAAACGACGGCCAGT
M13 Reverse	CAGGAAACAGCTATGAC
pBAD Forward	ATGCCATAGCATT TTTATCC
pBAD Reverse	GATTTAATCTGTATCAGG
pFastBacF	GGATTATTCATACCGTCCCA
pFastBacR	CAAATGTGGTATGGCTGATT
pGEX 3'	CCGGGAGCTGCATGTGT CAGAGG
pGEX 5'	GGGCTGGCAAGCCACGTTTGGTG
pQEPromotor	CCCGAAAAGTGCCACCTG
pQERreverse	GTTCTGAGGTCATTACTGG
pTriplEx 3'	ACTCACTATAGGGCGAATTG
pTriplEx 5'	CTCGGGAAGCGCGCCATTGTGTTGGT
RVprimer3	CTAGCAAATAGGCTGTCCC
RVprimer4	GACGATAGTCATGCCCCGCG
S-Tag primer	GAACGCCAGCACATGGACA
SP6	ATTTAGGTGACACTATA
T3	ATTAACCCTCACTAAAG
T7 (short)	AATACGACTCACTATAG
T7 (long)	AATACGACTCACTATAGgg
T7 terminator	GCTAGTTATTGCTCAGCGGT



**Shanghai ShineGene Molecular Bio-tech Co.,Ltd.**

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

Tel: +86-21-54460832

Fax: +86-21-54460831

E-mail: shinegene@vip.163.com

Website: [www.synthesisgene.com](http://www.synthesisgene.com)