

## Gene Synthesis

DNA is synthesized as you like, and inserted to the vector.

This service is more accurate and cheaper than PCR-amplifying the targeted DNA fraction from cDNA library.

### Product Lineup

	Length of Gene	
	0-3kb	3-10kb
Price (Incl. Optimization of codon)	¥110/mer~	Please ask us

- \* The price may be changeable according to the length and sequence (GC%, repeat sequence, etc).
- \* Free if BEX standard vector pUC57 is used for cloning.

### Delivery Date

Our staff contact you after the order.

### Delivery Product

- About 4  $\mu$ g of pUC57 vector with the targeted DNA inserted into (freeze-dried)
- Sequence Data

### Information

- Our staff may contact you depending on the difficulty of synthesis.
- The synthesis of the gene with toxicity isn't acceptable.

### Flow to Order

Please send your requests to us.	Please email or send the order form downloaded from BEX web page E-mail : <a href="mailto:info@bexnet.co.jp">info@bexnet.co.jp</a> FAX : +81-3-5375-5636
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## Subcloning

Insert of the targeted gene from a vector into another vector by restriction enzyme or PCR.

Subcloning 2kb of the targeted gene and single strand sequencing for the check as the standard operation.

### Product Lineup

	価格	納期
Subcloning (Restriction Enzyme Method *1)	¥80,000/ Sample	> 2 weeks
Subcloning (PCR *2)	¥100,000/ Sample	> 3 weeks

\*1 Applied only to the same restriction enzyme site before and after subcloning (incl. enzyme to cut the same sequence).

\*2 A new site for the restriction enzyme is added to the end of the targeted gene sequence by PCR. Afterwards, the fraction is inserted into another vector.

### Delivery Product

- Prepared Plasmid DNA ( > 10  $\mu$ g )
- Operation Report
- Spectra Data file

### Information

- If sequencing more than 2kb gene, additional fee for the sequence analysis should be payable.
- The actual fee is payable in the unavoidable termination after the discussion with the customers.
- The delivery date depends on the operation.
- The freight of the sample to BEX is payable.

### Flow to Order

I. Please send your requests to us.	Please email or send the order form downloaded from BEX web page with the text file of the sequence data of the targeted gene. E-mail : info@bexnet.co.jp    FAX : +81-3-5375-5636
II. Please send the sample and order form to us.	<ul style="list-style-type: none"> <li>• Plasmid DNA with the targeted gene inserted into: 2 <math>\mu</math>g ( &gt; 100ng/ <math>\mu</math>l )</li> <li>• Vector to be inserted into: 2 <math>\mu</math>g ( &gt; 100ng/ <math>\mu</math>l ) <span style="background-color: #0070C0; color: white; padding: 2px;">Frozen</span></li> <li>• Order form</li> </ul> Address: 〒173-0004 4F 61-15 2-Chome Itabashi-ku Itabashi, Tokyo BEX CO., LTD. TEL: +81-3-5375-1071

## cDNA Cloning

PCR of the targeted gene with 3 kinds of polymerase at most.

Insert of the targeted gene by TA cloning, restriction-enzyme site tag method, or blunt end method.

### Product Lineup

#### cDNA Cloning

	Price	Delivery
cDNA Cloning	¥190,000/ Sample	> 3 weeks
Additional fee for Clone Length	¥30,000/kb	> 3 Business Days

\* The sequence is checked by double strand sequencing after cloning.

\* cDNA-cloning 1kb of the targeted gene as the standard operation.

#### Option

	Price	Delivery
cDNA Preparation from cells•tissues	¥50,000	> 3 Business Days
cDNA Preparation from Total RNA	¥10,000	> 2 Business Days

### Delivery Date

- Prepared Plasmid DNA (> 10 μg)
- Operation Report
- Spectra Data File

### Information

- The actual fee is payable in the unavoidable termination after the discussion with the customers.
- The delivery date depends on the operation.
- The freight of the sample to BEX is payable.

### Flow to Order

I. Please send your requests to us.	Please email or send the order form downloaded from BEX web page E-mail : info@bexnet.co.jp FAX : +81-3-5375-5636
II. Please send the sample and order form to us.	<ul style="list-style-type: none"> <li>•cDNA (&gt; 1 μg) <b>Frozen</b></li> <li>•Vector 2 μg (&gt; 100ng/μl) <b>Frozen</b></li> <li>•In the case of the option Cell (About 5 × 10<sup>6</sup> cells) / Tissue (About 10mg) / Total RNA (&gt; 10 μg)</li> <li>•Order form <b>Frozen</b></li> </ul> <p>Address: 〒173-0004 4F 61-15 2-Chome Itabashi-ku Itabashi, Tokyo BEX CO., LTD. TEL: +81-3-5375-1071</p>

## Site-Direct Mutation

Mutation into the specific site in the targeted gene.

Amino Acid Substitution • Base Insertion • Tag Insertion • Restriction Enzyme Site Insertion • Deletion Mutant • Mutation of Multiple Site, etc.

### Product Lineup

	Price	Delivery
Site-Direct Mutation	¥90,000/ site	> 3 weeks

- \* If a mutation site is close to another (within 15 bp), Two-site mutation is accepted as one-site mutation for the price.
- \* Site-direct mutate 2kb of the targeted gene and single strand sequencing for the check as the standard operation.

### Delivery Product

- Prepared Plasmid DNA (> 10  $\mu$ g)
- Operation Report
- Spectra Data File

### Information

- If sequencing more than 2kb gene, additional fee for the sequence analysis should be payable.
- The actual fee is payable in the unavoidable termination after the discussion with the customers.
- The delivery date depends on the operation.
- The freight of the sample to BEX is payable.

### Flow to Order

I. Please send your requests to us.	Please email or send the order form downloaded from BEX web page with the text file of the sequence data of the targeted gene and detail of the mutation site. E-mail : info@bexnet.co.jp    FAX : +81-3-5375-5636
II. Please send the sample and order form to us.	• Plasmid DNA with the targeted gene inserted into: 2 $\mu$ g (> 100ng/ $\mu$ l) • Order form <span style="background-color: #0070C0; color: white; padding: 2px;">Frozen</span> Address: 〒173-0004 4F 61-15 2-Chome Itabashi-ku Itabashi, Tokyo BEX CO., LTD. TEL: +81-3-5375-1071

## Plasmid Preparation

The best grade for transfection· in vitro transcription, etc.

### Product Lineup

Yield	Price
100 $\mu$ g	¥9,000
1mg	¥20,000
2mg	¥38,000
3mg	¥54,000
4mg	¥72,000
5mg	¥90,000
6mg	¥108,000
7mg	¥126,000
8mg	¥144,000
9mg	¥162,000
10mg	¥180,000

### Delivery Date

Our Staff contacts you after the order.

### Delivery Product

- Prepared Plasmid DNA
- Electrophoresis Data

### Information

- The price of the low-copy plasmid is changeable.
- The actual fee is payable in the unavoidable termination after the discussion with the customers.
- The sample is adequately discarded under the strict security, law, regulations, and rules.
- The delivery date depends on the operation.
- The freight of the sample to BEX is payable.

### Flow to Order

I. Please send your requests to us.	Please email or send the order form downloaded from BEX web page E-mail : <a href="mailto:info@bexnet.co.jp">info@bexnet.co.jp</a> FAX : +81-3-5375-5636
II. Please send the sample and order form to us.	•Plasmid ( > 1 $\mu$ g ) / Glycerol Stock ( about 1ml) <b>Frozen</b> •Order form  Address: 〒173-0004 4F 61-15 2-Chome Itabashi-ku Itabashi, Tokyo BEX CO., LTD. TEL: +81-3-5375-1071