

User Guide

Sanger Sequencing Identification

Ver_4.0

How to use the "Copy" function

[6 / 6] Filtered Row : 6 Add + | Delete -
Count: 6

No.	Sample Name *	Primer *	
1	1	785F	🔍
2	2		🔍
3	3		🔍
4	4		🔍
5	5		🔍
6	6		🔍

① Copy

- **When:** When you want to fill **specific (selected) rows with a single value**.
- **How:** Select the rows you want to fill with the single value. One row must already contain the value you want to copy. Right-click and select **"Copy"**.

[6 / 6] Filtered Row : 6 Add + | Delete -

No.	Sample Name *	Primer *	
1	1	785F	🔍
2	2		🔍
3	3		🔍
4	4		🔍
5	5		🔍
6	6		🔍

① Copy Entire Rows

- **When:** When you want to **fill entire rows with a single value**
- **How:** Select the row containing the value you want to copy, right-click and select **"Copy Entire Rows"**. The value will fill the entire rows.

[6 / 6] Filtered Row : 6 Add + | Delete -

No.	Sample Name *	Primer *	
1	1	907R	🔍
2	2	907R	🔍
3	3	Bluescript_SK	🔍
4	4	Bluescript_SK	🔍
5	5	Bluescript_SK	🔍
6	6	Bluescript_SK	🔍

① Copy Entire Rows Below

- **When:** When you want to fill **specific rows (from the selected row to the end) with a single value**.
- **How:** Select the row containing the value you want to copy, right-click and select **"Copy Entire Rows Below"**. The value will fill all rows below.

1. Service Selection

* **NOTE:** The ordering procedure is the same for all services, except for the selection of sequencing primer sets.

Identification

[Download User Guide](#)

Service Selection 1

16s rRNA 18s rRNA ITS region 26s rRNA(D1, D2, D3 region)

16s rRNA

STEP 1 Basic Info > STEP 2 Sample Info > STEP 3 Billing Info > STEP 4 Complete

STEP 1 Enter Basic Information. (* All fields are required)

Sample Type *

Choose

2

Next

① **Service Selection:** Select Service Type

- 16s rRNA : For **bacteria** in the 16S rRNA region. PCR using primers 27F/1492R. Sequencing primers can be selected from four primer sets: ① 785F/907R ② 518F/800R ③ 27F/1492R ④ 337F/1100R.
- 18s rRNA: For **Fungi** in the 18S rRNA region. PCR and sequencing using NS1/NS24.
- Region ITS: For **Fungi** in the ITS region. PCR and sequencing using ITS5, ITS4.
- 26s rRNA (region D1,D2,D3): For **Fungi** targeting the 26S rRNA gene. PCR and sequencing using LROR/LR7.

② **Sample Type:** Select the sample type: **DNA / Others** (gDNA extraction required)

For safety reasons, customers are requested **not** to send pathogenic strains on agar plates, but instead as **inactivated samples (by boiling)** or as **gDNA**.

2. Basic Information

Ordering | Sanger Sequencing | Identification

16s rRNA

STEP 1 Basic Info | STEP 2 Sample Info | STEP 3 Billing Info | STEP 4 Complete

STEP 1 Enter Basic Information. (* All fields are required)

3 Sample Type *

Choose

Choose

Others (gDNA extraction required)

DNA

4 Next

If you selected "DNA" as your sample type:

- 3 **Sample Species:** Select the sample species (Bacteria / etc.)
- 4 **Next:** Go to the next page (Sample Information page)

Ordering | Sanger Sequencing | Identification

16s rRNA

STEP 1 Basic Info | STEP 2 Sample Info | STEP 3 Billing Info | STEP 4 Complete

STEP 1 Enter Basic Information. (* All fields are required)

Sample Type *

Others (gDNA extraction required)

3 Sample Species *

Bacteria

4 Sample Subtype *

Choose

5 Next

If you selected "Others" as your sample type:

- 3 **Sample Species:** Select the sample species (Bacteria / etc.)
- 4 **Sample Subtype:** Select the sample subtype (Glycerol Cell / Agar Plate)
- 5 **Next:** Go to the next page (Sample Information page)

3. Sample Information

16s rRNA

STEP 1 Basic Info > **STEP 2 Sample Info** > STEP 3 Billing Info > STEP 4 Complete

6 STEP 2 Enter Sample Information. (* All fields are required)

Order Instructions

7
Add + | Delete -

[1 / 1] Filtered Row - 1

#	Sample Name *
1	

8 Additional Primers for Sequencing(Additional cost)

[4 / 4] Filtered Row - 4

#	Standard (Default)	Additional (Charged) *
<input checked="" type="radio"/> 1	785F/907R	None
<input type="radio"/> 2	785F/907R	518F/800R
<input type="radio"/> 3	785F/907R	27F/1492R
<input type="radio"/> 4	785F/907R	337F/1100R

* PCR amplification will be performed using Universal 27F/1492R primers, and sequencing by 785F/907R. It is a default set, which is not selectable by customer. Other 3 sequencing primer sets can be ordered upon request and additional sequencing cost will be charged.

Previous

9 Next

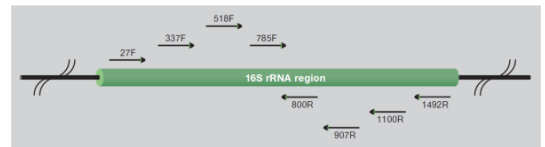
6 Sample Name: Enter your sample name. Reaction information will be generated automatically.

7 Add +: Add new fields | **Delete -:** Delete fields

8 Primer set: PCR amplification will be performed using the following universal primers: 27F/1492R

Select the primer set for the sequencing reaction:

- 785F/907R: Default primer set.
- 518F/800R
- 27F/1492R: Same primers as PCR
- 337F/1100R



9 Previous: Return to the previous page (Basic Information page)

Next: Go to the next page (Billing Information page)

STEP 5 Enter Billing information. (* Required field)

BLAST Service *	<input type="radio"/> Yes <input checked="" type="radio"/> No <small> 1 This is a service that searches for a sequence that is highly similar to the sequence of DNA obtained in The Basic Local Alignment Search Tool and NCBI database. We will provide you with data files retrieved from NCBI and no analysis services will be provided. </small>
Storage Period *	<input checked="" type="radio"/> Immediate Disposal <input type="radio"/> 1 Month <input type="radio"/> 3 Month <small> 1 If immediate disposal is selected, additional orders and re-sequencing cannot be ordered as the sample is immediately discarded after the primary experiment. </small>
Ordered by *	<input type="text" value="Gildong Hong"/>
Actual Orderer Contact	<input type="text" value="01012341234"/>
Primary E-mail	moonkun86@macrogen.com
Additional E-mail for Result *	<input type="text" value="moonkun86@macrogen.com"/>
Comment	<input type="text"/>
Institution for Billing	<input type="text" value="Macrogen Korea"/> <input type="button" value="Find"/>
Mobile Number *	<input type="text" value="01012341234"/>
Country *	<input type="text" value="Korea (the Republic of)"/>
Billing Address *	<input type="text" value="254, Beotkkot-ro, Geumcheon-gu, Seoul, Republic of Korea"/> <input type="text" value="11th floor, 1111"/> <input type="text" value="Geumcheon-gu"/> <input type="text" value="Seoul"/> <input type="text" value="08511"/>
PO Number	<input type="text"/>
ATTN	<input type="text" value="Macrogen"/>
Coupon	<input type="text" value="Choose"/> <input type="button" value="Apply"/>
Promotion Code	<input type="text" value="Please Enter."/> <input type="button" value="Promotion Code Apply"/>
Request on payment	<input type="text"/>

① Enter all billing information and select the options for “BLAST Service” and “Storage Period”, then click [Submit].

Your order has been placed **successfully**.

Order Number | EC00000595

Please double check your order information then send your samples accordingly.

Print your order barcode to send Amsterdam laboratory.

DHL

Fedex

UPS

Print Order Barcode

* Click DHL/FedEx/UPS Invoice button to download shipping documents.

* Print all shipping documents and call DHL/FedEx/UPS to pick up your samples.

* You will be notified of the status of your order by email.

* For other inquiries, please use [[Support > Contact us](#)].

* You can check your order number and obtain your **DHL/FedEx/UPS airway bill**. Please [[print the order barcode](#)] and send it together with the samples.

STEP 4 Order Confirmation (* In the [Order completed] step, you cannot modify it.)

Order Information

Order Number	HC00126316	Customer Name	Gildong Hong
Service	16s rRNA	Sample Type	DNA
Sample Species	Bacteria		

Order History

Sample History	Reaction	2	Samples	1
	Number of additional service sample	0	DNA Extraction	0
	Primer Synthesis	0	PCR Amplification	1
Primer History	Universal	2	Enclosed	0
	Synthesis	0	Stored	0

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[Go to Order List](#)

* Finally, you can **review the order information**.