

DNA Order Guide

CES - Customized sequencing

Ver_1.0



Contents

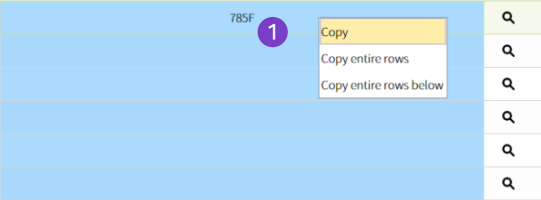
1. PCR & Sequencing



How to use "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** : Want to fill **certain (selected) rows with a single value**
- **How** : Select the rows you want to fill with the single value. One row should be filled with the value you want to copy. Right-click and select "Copy". The value fills the selected rows.

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

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

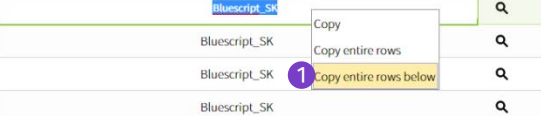


① Copy entire rows

- **When** : Want to fill **entire rows with a single value**
- **How** : Select the row with the value you want to copy, right-click and select "Copy entire rows". The value fills 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** : Want to fill **certain (here to the end) rows with a single value**
- **How** : Select the row with the value you want to copy, right-click and select "Copy entire rows below". The value fills the below rows.

| PCR & Sequencing

1. PCR & Sequencing

PCR & Sequencing

STEP 1

Basic Info

> STEP 2

PCR Sample Info

> STEP 3

PCR Condition Info

> STEP 4

Reaction Info

> STEP 5

Primer Condition

> STEP 6

Billing Info

> STEP 7

Complete

STEP 1 Enter Basic Information. (* Required field)

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| | | | | |
|------------------------------|---|--|---|---|
| Sample Type * | 1 | DNA | ▼ | |
| Sample Species * | 2 | Human | ▼ | |
| PCR Type * ? | | <input checked="" type="radio"/> Standard PCR + Purification | <input type="radio"/> Customized PCR + Purification | <input type="radio"/> Gradient PCR + PCR + Purification |

Next

- Sample Type:** Select your sample type
 - **DNA:** Choose in case PCR amplification is required
 - **Others (gDNA extraction required):** Choose in case you send tissue or other type of samples that need gDNA extraction
- Sample Species:** Select your sample's species for reference
 - **Options:** Human, Animal, Plant, Bacteria, Fungi, Etc.
 - gDNA extraction for Plant has extra charge than other type of species
- Sample Subtype:** Select your sample's subtype if necessary
- PCR Type:** Select the type of PCR amplification service that you need
 - **Standard PCR:** PCR conditions provided by customer. Gel electrophoresis report not included
 - **Customized PCR:** Suitable for complicated sample template (e.g. FFPE, nested PCR amplification, etc.). Gel electrophoresis report included
 - **Gradient PCR:** Recommended for unknown PCR condition, and we will find optimum annealing temperature for your primer sets

1. PCR & Sequencing

STEP 2 Enter PCR Sample Information. (* This is a required entry.)

Primer Type *

PCR Primer Other Primer

Original Sort Sample Name | Sort Sample Name | Make Sample Information Automatically | Add + | Delete -

[1 / 1] Filtered Row : 1

| PCR # | Original Sample * | PCR Primer Pair Quantity * | Conc.(ng/ul)(gDNA) * | Sample Name * | PCR Primers | | ① Sequencing primers | |
|-------|-------------------|----------------------------|----------------------|---------------|-----------------|------------------|----------------------|-----------------|
| | | | | | 5' (For) Name * | 3' (Rev.) Name * | Primer (5' For) | Primer (3' Rev) |
| 1 | 1 | 1 | 20 | | | | | |

- ① **Sequencing primers:** This field is available when you selected "Other primer" in "Primer type" section. If you want to use other primers for sequencing (not PCR primers), please indicate Forward and Reverse sequencing primer name.

STEP 3 Enter PCR Condition Information. (* This is a required entry.)

[1 / 1] Filtered Row : 1

| PCR Condition #* | PCR Primer Set* | ① Primer | | | | Product Size(bp) * | Annealing TM* | Gradient PCR |
|------------------|-----------------|-----------------|----------|------------------|----------|--------------------|---------------|--------------------------|
| | | 5' (For) Name * | Sequence | 3' (Rev.) Name * | Sequence | | | |
| 1 | Primer1 | 1F | | 1R | | ② | ③ | <input type="checkbox"/> |

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- ① **Primer sequence:** Input primer sequences. Only English alphabet is allowed
- ② **Product Size (bp):** I ndicate the expected size of PCR product
- ③ **Annealing TM:** I ndicate the Annealing temperature (°C) of your primers

1. PCR & Sequencing

STEP 4 Enter Reaction Information. (* This is a required entry.)

Sequencing Type *

Standard Sequencing Difficult Sequencing

Add + | Delete -

[2 / 2] Filtered Row - 2

| No. | Sample Name* | Primer* |
|-----|--------------|---------|
| 1 | A | 1F |
| 2 | A | 1R |

Previous

Next

- ① **Difficult Sequencing** : Recommended for difficult sample templates
(ex: samples that have high GC%, Repeats, etc.)

Standard PCR + Purification

STEP 5 Enter Primer Condition. (* This is a required entry.)

[2 / 2] Filtered Row - 2

| No. | Primer* | Type* | Sequence | Conc.(ng/ul) | Required vol(ul) | Sequencing Primer (Y / N) | PCR Primers (Y / N) |
|-----|---------|-------------|----------------|--------------|------------------|---------------------------|---------------------|
| 1 | 1F | | ATGGCCCGGGTTAA | | 1.5 | Y | Y |
| 2 | 1R | ① Universal | ATGGCCCGGGTTAA | | 1.5 | Y | Y |

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- ① **Primer Type**: Select your primer type
- **Universal** : Macrogen's in-house Universal primers
 - **Enclosed** : If you are sending your own primers enclosed in your sample package.
For your own primers you need to indicate primer concentration
 - **Synthesis**: If you need us to synthesize your own primers
 - **Stored**: If you have used the same primer in previous orders.
The primer name must be exactly the same as previous primers

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>2 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 Input all the information for billing and select the option for "Blast service" and "Storage Period" and click [Submit]



Your order has been placed **successfully**.

Order Number **HC00125497**

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

Get your commercial invoice for DHL/FedEx and shipping barcode(order number).

1 DHL Invoice FedEx Invoice Print Barcode **2**

- * Click on the couriers Commercial Invoice to download the companys shipping documents to your computer.
- * Print all the shipping documents you have completed and apply for a delivery reservation with the courier.
- * You can check the sample delivery status with the email you registered.
- * For other inquiries, please use [[Support > Contact us](#)].

- ① **DHL / FedEx:** Click to generate Air Way Bill. You need to indicate your address only
- ② **Print Order Barcode:** Print your order number and enclose it in your sample package