**Primer & Probe Design and Synthesis Service**

**1. Personal information**

|  |  |  |  |
| --- | --- | --- | --- |
| **Order date** | Click to Select | **Name** |  |
| **PI/professor** |  | **Institution/department** |  |
| **Tel/phone number** |  | **Fax** |  |
| **E-mail** |  | **Address** |  |

**For your information**

1) This ordering form is only to be used as a reference to provide the information for the service, not a consent form having legal force.

2) Specific amplifications according to the designs and blasts from the design algorithms are checked through In-silico, but the actual results may vary depending on the instruments and reagents used in the experiments.

**2. Order Details**

|  |  |
| --- | --- |
| **PCR type** |  |
| **Specific primer for** | Select |
| **Primer TM1)** | Click ℃ |
| **PCR product size2)** | Click bp ~ Click bp |
| 1. Primer TM: Will be designed at 58 ℃ without any specifications.
2. PCR product size: Endpoint PCR will be designed to be 300 to 500 bp, while the real-time PCR will be 80 to 160 bp without any specifications.
3. Primer Synthesis Scale: 25 nmole, Purification: Bio-RP

Probe Synthesis Scale: 50 nmole, Purification: HPLC |
| **Other** **requirements** |  |

**3. Target gene information**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  | **Modification (Probe only)** |
| **No.** | **Species** | **Gene name** | **Gene ID or****Accession number1)** | **5’-[Dye]** | **3’-[Quencher]** |
| 1 |  |  |  | Select | EBQ |
| 2 |  |  |  | Select | EBQ |
| 3 |  |  |  | Select | EBQ |
| 4 |  |  |  | Select | EBQ |
| 5 |  |  |  | Select | EBQ |
| 6 |  |  |  | Select | EBQ |
| 7 |  |  |  | Select | EBQ |
| 8 |  |  |  | Select | EBQ |
| 9 |  |  |  | Select | EBQ |
| 10 |  |  |  | Select | EBQ |
| 11 |  |  |  | Select | EBQ |
| 12 |  |  |  | Select | EBQ |

1) Available at https://www.ncbi.nlm.nih.gov/gene.

**█ Single gene qPCR primer set (Additional Services)**

**Single gene qPCR primer set can be only selected when requesting intercalating dye primer.**

 Single gene qPCR Primer Set provides a 200 rxn primer set for the designed primers verified with target specificity and PCR efficiency. Thus, this product can be used directly in the experiment without further tests to acquire ready-to-publish data.

|  |  |  |
| --- | --- | --- |
| Cat. No. | **Product Description** | **Price** |
| S-6042-S200 | Single Gene qPCR Primer Set | $150.00/Gene |

\* For species other than humans, mice, or rats, a template (cDNA) will be required for the primer verification experiment.