**Customized *In Vitro* mRNA Synthesis Service Form**

**I Customer Information**

|  |  |  |  |
| --- | --- | --- | --- |
| Company/ Institute | v. 240603 | | |
| Case no. |  | Customer no. |  |
| Contact |  | E-mail |  |
| Tel |  | Fax |  |
| Address |  | | |

**II Template Information**

|  |  |
| --- | --- |
| Gene Name |  |
| UniProt ID |  |
| Species |  |
| Template Source | Gene synthesis by Croyez  Customer-provided  ***\*Please enclose the DNA map(.dna) in the inquiry email.*** |
| Codon Optimization | Yes  No |
| Template Length | \_\_\_\_\_\_\_\_\_\_\_\_\_ bp |

**III mRNA Synthesis Information**

|  |  |
| --- | --- |
| **mRNA Sequence** | |
| ORF Source | Gene synthesis by Croyez   Subcloning from customer-provided plasmid   * Vector name: \_\_\_\_\_\_\_\_\_\_\_\_\_ * Cloning Site: \_\_\_\_\_\_\_\_\_\_\_\_\_ |
| RNA ORF Length | \_\_\_\_\_\_\_\_\_\_\_\_\_ base |
| Does it contain 5’UTR? | Yes  No,  Croyez designed  Customer designed |
| Does it contain 3’UTR? | Yes  No,  Croyez designed  Customer designed |
| **mRNA Synthesis & Purification** | |
| 5’ Cap Form | No Cap  Cap 1 |
| Poly A Tail | No  Yes, on template - minimum \_\_\_\_ A |
| Base Modifications | Unmodified  Pseudo UTP  N1-Me-pUTP |
| Purification | LiCl Purification  FPLC Purification |
| Desired Buffer | 1 mM sodium citrate (pH 6.4)  Others, \_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Demand Quantity | 100 ug  1 mg  Others, \_\_\_\_\_\_\_\_\_\_\_\_\_ |
| mRNA Length | \_\_\_\_\_\_\_\_\_\_\_\_\_ base  ***\*If you need assistance from Croyez for the template design, please leave the column blank.*** |
| Quality Control | ***Standard items***   * mRNA conc. * OD260/230 * OD260/280   ***Optional items (Please check the boxes if you required.)***  RNA purity by capillary electrophoresis  Total protein residue  dsRNA  HCD detection  HCP detection  Endotoxin  Bioburden assay  mRNA translation test |
| mRNA Applications | In vitro experiment  In vivo experiment  Cell-based experiment  Others, \_\_\_\_\_\_\_\_\_\_\_\_\_ |

***Please kindly provide the DNA Template Sequence/ RNA ORF Sequence.***

**DNA Template Sequence**

*Please find the sequence below or please refer to the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(.dna) in the inquiry email*

**RNA ORF Sequence**

|  |  |  |
| --- | --- | --- |
| **Customer** |  |  |
|  |  |  |
| **Sales dept.** | **Product dept.** | **Technical dept.** |
|  |  |  |
|  |  |  |