

Custom mRNA Synthesis Questionnaire

Organization Name:

Template Name:

Template Type:

Plasmid (Please indicate Plasmid size):

Other (Specify):

Template Description:

A template normally contains the **following elements**: a T7 promoter, a strong Kozak sequence, UTR region, an ORF beginning with a start codon and ending with a stop codon. The template is usually linearized to prevent run-off transcription.

Questions

1. Can you confirm that your plasmid transcription template contains the **above elements** and a T7 Promoter followed by an "AGG" for EZ Cap (Cap1) or a "GGG" for ARCA capping (Cap0)?
2. Can you confirm whether your plasmids contains a poly(A) track or if we will need to add the poly(A) tail through poly(A) polymerase?
3. What is the linearization enzyme? Can you confirm that there is only one restriction site in your plasmid?
4. Can you please also provide the length of your transcript and the length of your plasmid/template? (The suggested size is around 1.4kb)
5. Is it fine to provide mRNA in RNase-free 1 mM Sodium Citrate, pH 6.4 and is not concentrated?
6. Do you want wild type bases or any particular modification (i.e. Pseudo-UTP, 5-Methyl-CTP, 5-Methoxy-UTP, Cy3-UTP and Cy5-UTP)?
7. What is the quantity you need for the mRNA final product?

8. If there is unused template, what would you like us to do?

Return

Discard

Filled out by (name/date)