

When ordering a custom mRNA from OZ Biosciences, you can either :

- give us the sequence of your gene and we handle the DNA synthesis
- or send us your DNA template.

If you choose the second option, your DNA template needs to:


1. Be **linearized** (Or contains a restriction site after the PolyA tail)
2. Includes a **T7 promoter** and a **PolyA tail** sequence\*

\*The PolyA tail can be added after in vitro transcription as an additional service (if absent from DNA template)

3. Be **purified** (methods of your choice, i.e. )  
and observe ratio of **A260/A280** and **A260/A230 >1.8**



For 1mg of mRNA, we will require ~20 µg of purified linear DNA.

### OPTION 1 : PROVIDE GENE SEQUENCE




>FASTA Sequence (i.e. gene, partial cds)

```
TGGTAATCTACTGGGACGGGAACAGCTTTGAGGTGCGTGTTGTGCCTGTCCTGG
GAGAGACCGGCGCAC
GAGGAAGAGAATCTCCGCAAGAAAGGGGAGCCTCACCACGAGCTGCCCCCA
GGGAGCACTAAGCGAG
```


→



Gene sequence

DNA synthesis

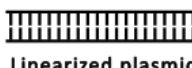
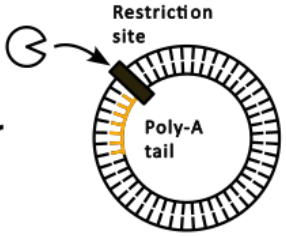


20 µg linear DNA  
~1 mG mRNA

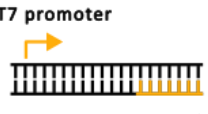
### OPTION 2 : SEND YOUR DNA TEMPLATE




1. Linearized
 


or


Linearized plasmid
2. T7 Promoter & PolyA tail
 



T7 promoter  
Poly-A tail\*
3. Purified
 



A260/A280>1.8  
A260/A230>1.8  
Phenol:chloroform or column chromatography, resin, silica

## CUSTOM mRNA service

\*Poly-A tail can be added if absent (additional service)