mRNA Ordering Tutorial

Home | GenScript GenSmart



Proj	ject N	lame: r	mRNA_20250227	VZ2							
В	atch Op	otimization	0 Selected					(+) Batch	Add Sequence	Download Sequ	Jences V
	No.	Status	Sequence Name	5' UTR 🚺	3' UTR	Coding sequence		Length	5' CAP	Poly(A) Tail	Detail
	1			Please Sel 🗸			View	0	Please Select ∨	100 ~	Setting
	2			Please Sel 🗸			View	0	Please Select 🗸	100 ~	Setting
	3			Please Sel 🗸			View	0	Please Select ∨	100 ~	Setting
	4			Please Sel v		- 2 ^{3^k}	View	0	Please Select 🗸	100 ~	Setting
	5			Please Sel			View	0	Please Select 🗸 🗸	100 ~	Setting

Add 5 Rows Apply

Page1. Firstly, please click the mRNA icon to **start a new project**. You can also edit your project name and your application area if you like.

Page2. Brief Introduction to This Page: Now you start designing your project. In this page, you can input **nucleotide sequence** in the red box and name your sequence in the green box. If you have a preferred host for use, you can click the 'view' button after the red box to perform codon optimization on the sequence you entered. You can also configure the 5' UTR, 3' UTR, 5' CAP, and Poly(A) Tail in the corresponding columns. In the end, if you have any customized needs for your mRNA products, please click the 'setting' button on the right side of each row to edit.

Project Name: m	RNA_20250227stx						~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				
Batch Optimization	0 Selected							Batch Add Sequence		e Download Sequences	
No. Status	Sequence Name	5' UTR 🜗	3' UTR	Coding sequence		Length	5' CAP		Poly(A) Tail	Detail	
L 1		Please Select 🗸 🗸			View	0	Please Select	~	100 ~	Setting	
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□ 4 2 ³		Please Select v			View	23 ^h 0	Please Select	~	100 ×	Setting	
0 05		Please Select V			View	0	Please Select	~	100 ~	Setting	

Add 5 Rows Apply

Page2. Function Expansion: You may have

noticed the button Description and the upper right corner. If you have multiple sequences to order, you can click it for batch editing in the table. Or click the 'Apply' button below to add more rows for editing.

After completing all editing, you can click

 Download Sequences >

 to save the sequences by yourself.

DETAILS

In our system, we offer **four** types of **Cap** (<u>No Cap, Cap0, Cap1, Cap2</u>) and **five UTRs** to choose from. Set Their respective application scenarios are given below:

- UTR1: General mRNA application, GS IP, utilized in all GenScript's catalog mRNA product
- UTR2: General mRNA application, GS IP
- UTR3: General mRNA application, GS IP
- UTR4: General mRNA application, GS IP
- No UTR: For RNA oligo without UTR or polyA, No T7 promoter

For the **setting** button, you can determine the <u>quantity</u>, concentration, number of the vials and solution <u>buffer</u> of your products. It is worth mentioning that the **Modified NTP Options** defaults to **N1-methylpseudouridine**, as it is most commonly used. You can also change it to other options according to your own needs: like 5-Methoxyuridine, Pseudouridine, 5-Methylcytidine and Unmodified.

Setting

Name test] Details			\times
mRNA Quantity			
1 mg			\sim
Concentration Adjustment			
Flexible (0.5-2 mg/ml)			\sim
Aliquoting to Vials			
x1 mL Vial	\sim	1	
Desired Buffer			
1mM Sodium Citrate(pH6.5)			~
Modified NTP Options			
N1-Methylpseudouridine			\sim

(recommend for lower immunotoxicity in in vivo applications)

No



Page3. Now you enter the customized quality control page. In this page, you can make customized requirements for the **Purification**, **Identification**, **Purity** and **Safety** testing of your product mRNA. If you have no special requirements, you can

keep everything as default.

For the two options of Quality Control, **standard QC** is free since it is already included in the service. Upgrade QC needs additional fee but your products will get more advanced and detailed identification and purity tests. No matter which **Quality Control** option you choose, you can see the selected services below and check if you want.

After all settings, please click **Continue** to go on.



Page4. You are now in the end of this journey. In this page, you can manage your shipping address and billing address to order.

The box on the right will display the cost and turnaround time required for your order.

After all settings, you can click **Order Now** to order directly, or click **Get Quote** if you have any questions about your product or the cost. Our technical support personnel will contact you soon.

When you see this page, it means you have made an order or a quote successfully. Congratulations!

You can click **View My Quote** below to see the details of your order.

If you have any suggestions for our ordering process, please click **TAKE SURVEY** to provide your feedback. Thank you for your cooperation and valuable time!