CROYEZ

CROYEZ mRNA product

- *GMP grade mRNA related Product*
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- *Capping enzyme*
- *Oligo(dT)*
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- *Gene Editing mRNA*
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- *Service*
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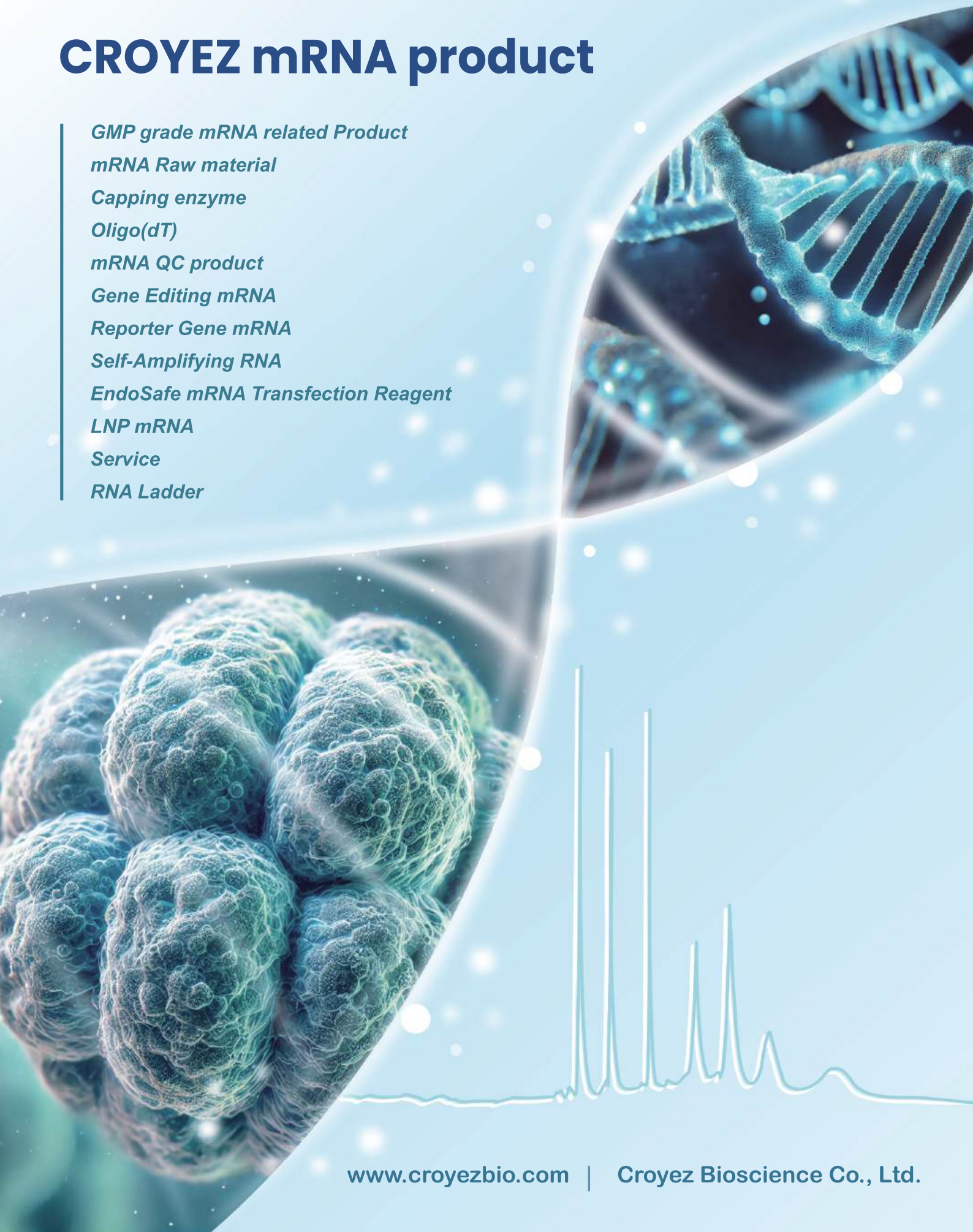
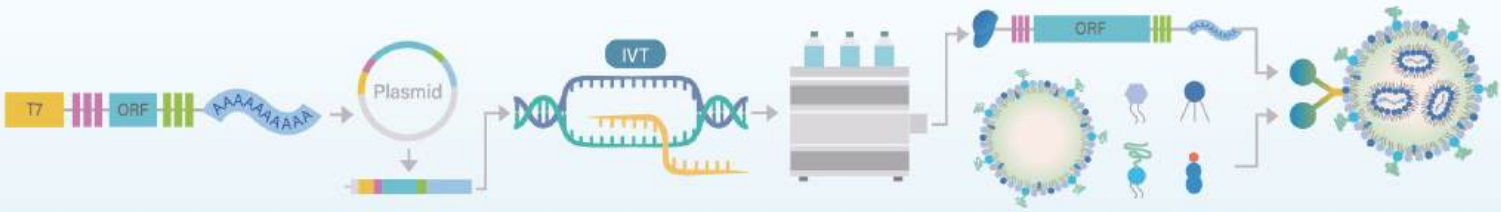


CROYEZ
mRNA product All Your mRNA Needs All in One Place



GMP grade and RUO mRNA related Product

In mRNA manufacturing, our three GMP-grade products provide a complete solution: GMP® BspQI for precise plasmid linearization, GMP T7 RNA Polymerase for high-yield synthesis, and GMP® Murine RNase Inhibitor for RNA protection. Together, they ensure safe, efficient, and reliable mRNA production.

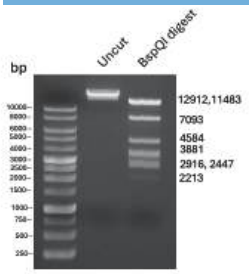
• GMP grade mRNA related Product

Cat#	Product	Package
C15010-GMP	GMP ® T7 RNA Polymerase	25 KU\200 KU
C15049-GMP	GMP ® Murine RNase Inhibitor	40 KU

• RUO grade

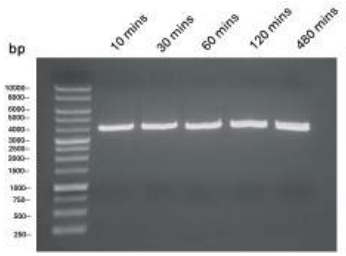
Cat#	Product	Package
C15010H	T7 RNA Polymerase	25 KU \200 KU
C15049	Murine RNase Inhibitor	4 KU \20 KU

BspQI



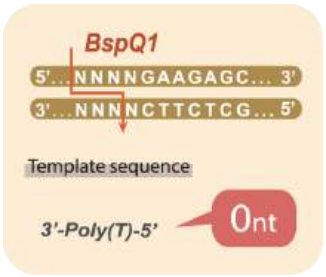
Lambda DNA

One unit of BspQI is defined as the amount of enzyme required to digest 1 μg of I DNA in one hour at 50℃ in a total reaction volume of 50 μL.



Plasmid linearization by BapQ1 digestion

One microgram of plasmid DNA is digested by 1 μL BspQ1 at 50℃ in a total reaction volume of 50 mL for 10 mins to 480 mins.



• GMP grade mRNA related Product

Cat#	Product	Package
C15052 – GMP	GMP ® BspQI	2,500 U

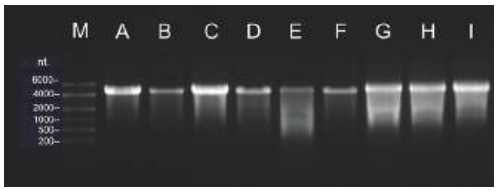
• RUO grade

Cat#	Product	Package
C15052	RUO grade BspQI	2,500 U

mRNA Raw material

• T7 RNA polymerase transcription Buffer set

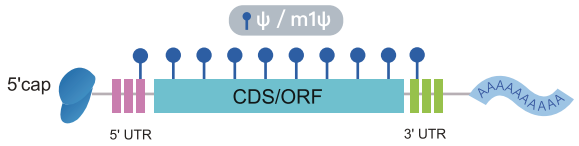
The outcome indicates that various buffers would have distinct effects on the same template.



Cat#	Product	Package
C15010H-25000U	T7 RNA Polymerase(200 U /μL)	1μL*4
C15027-K01	T7 RNA Polymerase Transcription Buffer Set	Set
C15027-K02	T7 RNA Polymerase Transcription Buffer Set	Set
C15010HA-25000U	T7 RNA Polymerase with buffer A	25,000 U
C15010HB-25000U	T7 RNA Polymerase with buffer B	
C15010HC-25000U	T7 RNA Polymerase with buffer C	
C15010HD-25000U	T7 RNA Polymerase with buffer D	
C15010HE -25000U	T7 RNA Polymerase with buffer E	
C15010HF -25000U	T7 RNA Polymerase with buffer F	
C15010HG -25000U	T7 RNA Polymerase with buffer G	
C15010HH -25000U	T7 RNA Polymerase with buffer H	
C15010HI -25000U	T7 RNA Polymerase with buffer I	

• Modified nucleotide

Pseudouridine (ψ) and N1-Me-pUTP (m1ψ) can be used to replace uridine in the IVT mRNA. It is demonstrated that the modified UTP can enhance RNA stability and decrease anti-RNA immune response.



Cat#	Product	Package
C15040-100μL	Pseudo UTP Sodium Solution	100μL
C15041-100μL	N1-Me-pUTP Sodium Solution	100μL
C15050-K01	Vaccinia Capping Kit	set
C15049-4KU	Murine RNase Inhibitor	4 KU
C09011-500U	RNase R	500U
C15022 - 1ML	ATP Solution(100mM)	1 μL
C15023 - 1ML	UTP Solution(100mM)	1 μL
C15024 - 1ML	CTP Solution(100mM)	1 μL
C15025 - 1ML	GTP Solution(100mM)	1 μL
C15026 -10U	Inorganic Pyrophosphatase (Yeast)	10 μL
C15026 -50U		50 μL
C15038-2000U	mRNA Cap 2'-O-Methyltransferase	set
C15051-K01	S-adenosylmethionine (SAM)	50 μL*10 vials

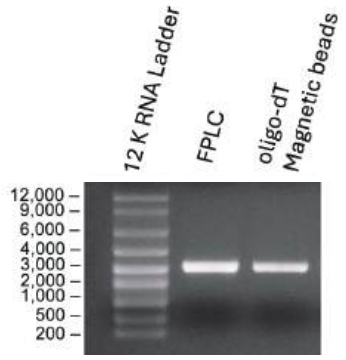
Capping enzyme

Vaccinia Capping Enzyme & Kit: The Croyez Vaccinia Capping Enzyme and Capping Kit enable rapid and efficient Cap 0 (mGpppN) formation on IVT mRNA within one hour, enhancing mRNA stability and translation while providing flexible solutions for vaccines, therapeutics, and research.

Cat#	Product	Package
C15050-K01	Vaccinia Capping Kit	set
C15037-500U	Vaccinia Capping Enzyme	set

Oligo dT Magnetic Beads

Croyez™ Oligo(dT) Magnetic Beads enable efficient isolation of poly(A)+ mRNA, offering a rapid, scalable method for high-purity RNA. Ideal for cDNA synthesis, RT-PCR, qRT-PCR, and gene expression analysis, they deliver reliable performance and ease of use for superior RNA research results.



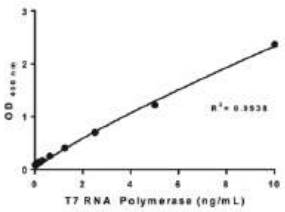
200 ng 3 K RNA + 4 μL RNA loading dye+ 1 μL novel juice, 15 min , 65℃ loading 6 μL to 1% TAE agarose gel, 110 V 30 min.

Cat#	Product	Package
C15056-5ML	Oligo dT Magnetic Beads	5 μL

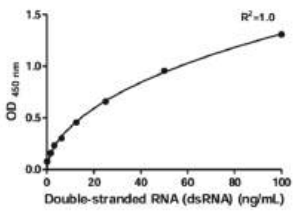
mRNA QC product

mRNA QC products are analytical tools for assessing the quality of IVT mRNA by detecting common impurities such as residual T7 RNA polymerase and double-stranded RNA (dsRNA). Accurate quantification of these impurities ensures RNA purity, reduces immunogenic risk, and supports process development in RNA-based applications.

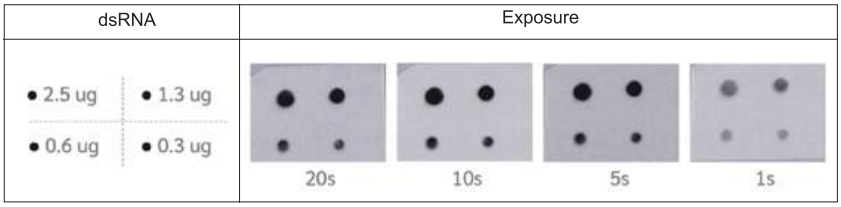
T7 RNA Polymerase ELISA Kit



Double-Stranded RNA ELISA Kit



Anti-dsRNA antibody [clone J2]

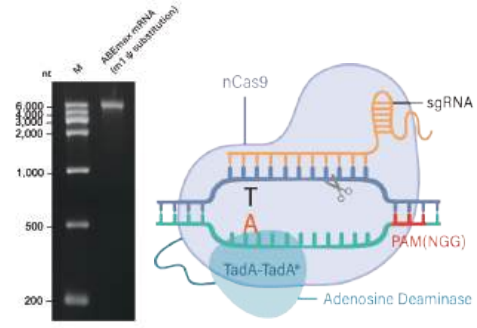


Cat#	Product	Package
C13004-K01	T7 RNA Polymerase ELISA Kit	kit
C13005-K01	Double-Stranded RNA ELISA Kit	kit
C15039-200UG	Anti-dsRNA antibody [clone J2]	200 μg

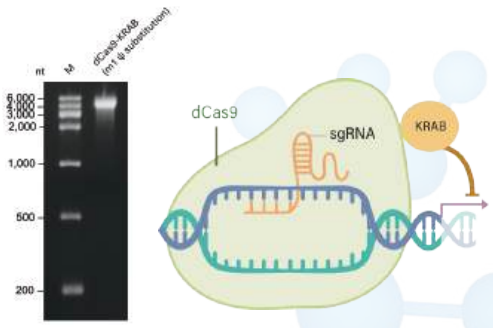
Gene Editing mRNA

Croyez offers a full portfolio of ready-to-use gene editing mRNAs including ABEmax, dCas9-KRAB, and hSpCas9. Our mRNAs are in vitro transcribed, purified, and available in unmodified or m1Ψ-modified formats for enhanced expression, reduced immunogenicity, and precise genome engineering applications.

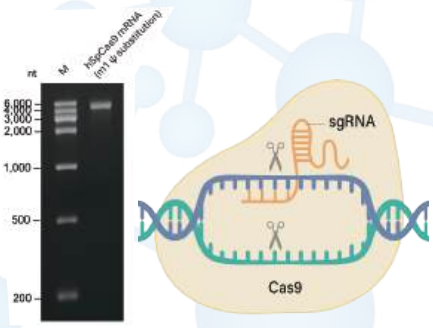
ABEmax mRNA



dCas9-KRAB mRNA



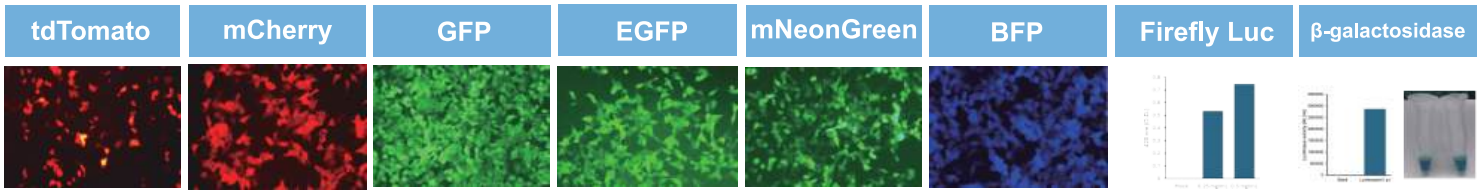
hSpCas9 mRNA



Cat#	Product	Package
CR00013/CR00014	ABEmax mRNA (unmodified)/(m1ψ substitution)	100 μg\1 mg
CR00017/CR00018	dCas9-KRAB mRNA (unmodified)/(m1ψ substitution)	100 μg\1 mg
CR00011/CR00012	hSpCas9 mRNA (unmodified)/(m1ψ substitution)	100 μg\1 mg

Reporter Gene mRNA

Discover Croyez's advanced mRNA products tailored for research. Our reporter mRNAs enable monitoring of transfection efficiency and expression duration both in vitro and in vivo. Available in unmodified or N1-Me-Pseudo-UTP–modified forms to reduce immune responses, these products can also be supplied in bulk to meet diverse research needs.



Cat#	Product	Package
CR00029/CR00028	tdTomato mRNA (unmodified)/ (m1ψ substitution)	100 μg/1 mg
CR00019/CR00020	mCherry mRNA (unmodified)/(m1ψ substitution)	100 μg/1 mg
CR00016/CR00015	GFP mRNA (unmodified)/ (m1ψ substitution)	100 μg/1 mg
CR00002/CR00001	EGFP mRNA (unmodified)/ (m1ψ substitution)	100 μg/1 mg
CR00008/CR00007	mNeonGreen mRNA (unmodified)/(m1ψ substitution)	100 μg/1 mg
CR00023/CR00022	BFP mRNA (unmodified)/(m1ψ substitution)	100 μg/1 mg
CR00006/CR00003	Firefly Luc mRNA (unmodified)/(m1ψ substitution)	100 μg/1 mg
CR00034/CR00035	β-galactosidase mRNA(unmodified)/(m1ψ substitution)	100 μg/1 mg

Self-Amplifying RNA

Croyez's Self-Amplifying RNA (saRNA) is an advanced RNA-based reporter designed for sustained and robust protein expression in mammalian cells. Built on a replicon backbone with Cap 1 capping and a poly(A) tail, it ensures stability and efficient translation.

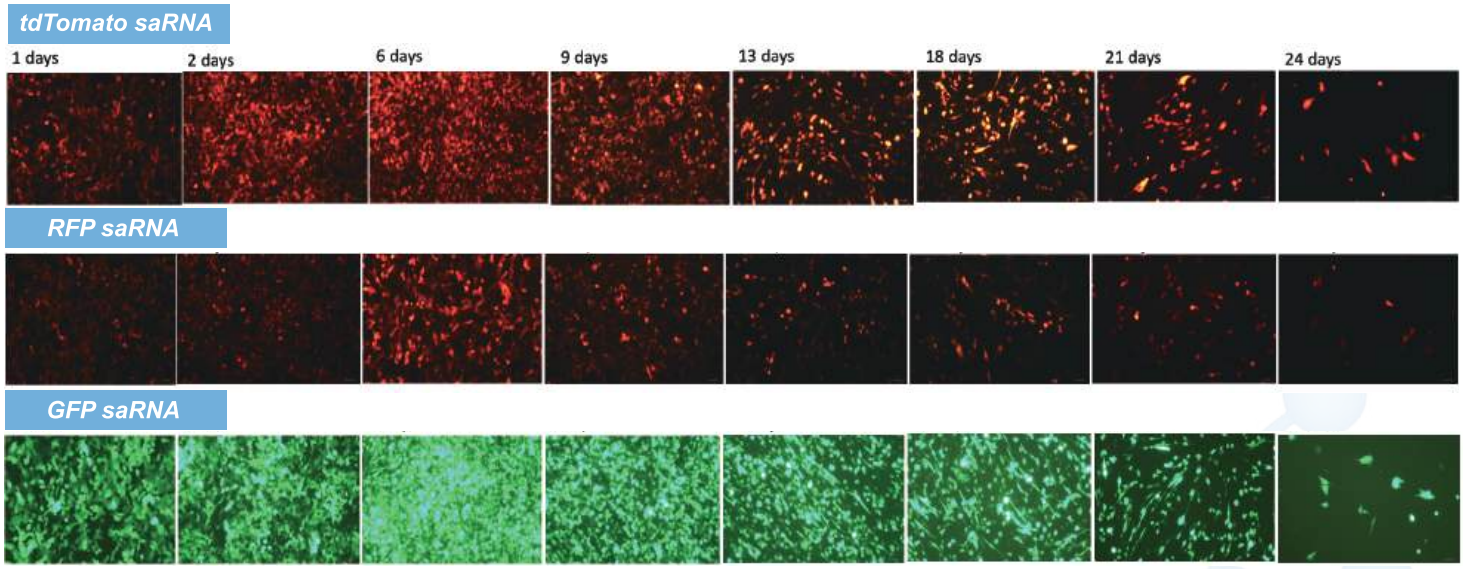


Figure : 0.6 x 10^5 BHK21 cells were transfected with 500 ng saRNA by EndoSafe transfection reagent. Cells were subculture with 3 days intervals.

Cat#	Product	Package
CR00033	tdTomato saRNA (unmodified)	100 μg\1 mg
CR00032	RFP saRNA (unmodified)	100 μg\1 mg
CR00021	GFP saRNA (unmodified)	100 μg\1 mg
CR00010/CR00009	mNG saRNA (unmodified)/ (m1ψ substitution)	100 μg\1 mg

EndoSafe mRNA Transfection Reagent

EndoSafe mRNA Transfection Reagent enables efficient mRNA delivery into mammalian cells with low toxicity.

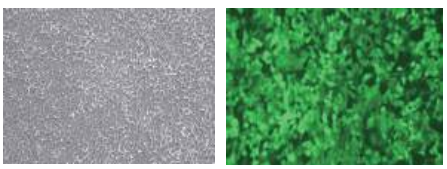


Figure . 293T cells (0.8 x 10^5 cells per well, 24-well plate) were transfected with 1 μg of GFP mRNA using the EndoSafe mRNA Transfection Kit (C15053-K01).

Cat#	Product	Package
C15053-K01/C15053-K02	EndoSafe mRNA Transfection Reagent	0.5 μL*1/0.5 μL*2

GFP LNP mRNA

GFP LNP-mRNA is optimized for efficient delivery into hard-to-transfect immune cells like Jurkat, combining sequence-optimized mRNA and advanced ionizable lipids to ensure strong expression with low cytotoxicity in both in vitro and in vivo applications.

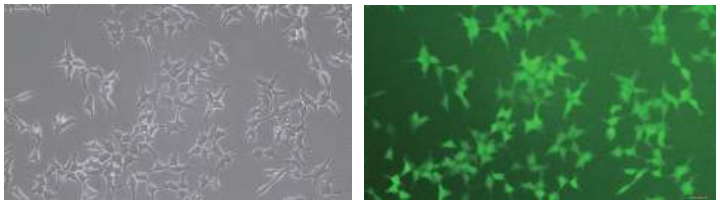


Figure 1. HEK 293 T cells (0.5 x 10^5 cells per well, 24-well plate) were transfected with 100 ng of GFP LNP-mRNA.

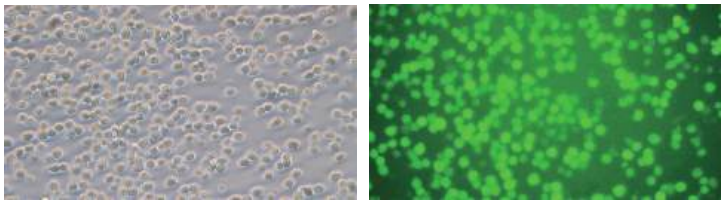


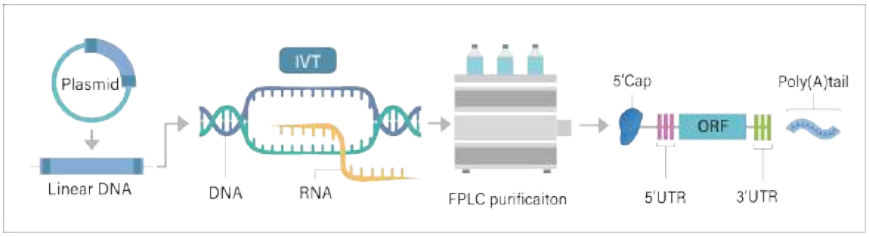
Figure 2. Jurkat cells (2x10^5 cells per well, 24-well plate) were transfected with 100 ng of GFP LNP-mRNA.

Cat#	Product	Package
CR00040	GFP LNP-mRNA	100 µg/1 mg

Service

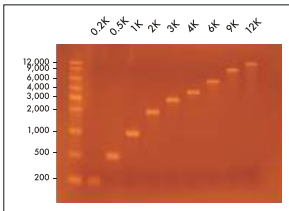
• IVT mRNA Synthesis

Croyez provides an end-to-end solution for mRNA production—from gene synthesis to IVT. Our platform supports customized mRNA design with Cap1, poly(A) tail, and modified bases to meet diverse research and therapeutic needs.

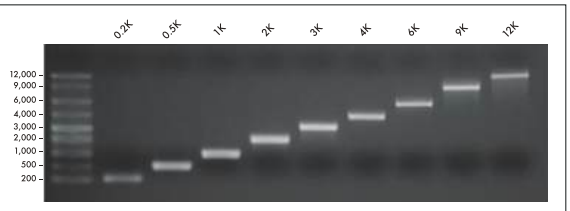


• Custom RNA Ladder

A customized RNA ladder can be tailored to meet your specific needs, ranging from 200 nt ,500 nt ,1,000 nt ,2,000 nt ,3,000 nt ,4,000 nt, 6,000 nt,9,000 nt to 12,000 nt,Tailor your research by choosing the desired number of bands for your specific needs.



• **Figure 1:** 100 ng RNA ,1% E-gel

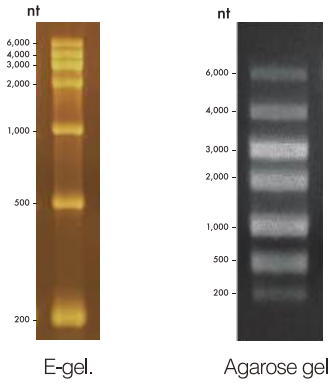


• **Figure 2:** 100 ng RNA ,1% TAE agarose gel

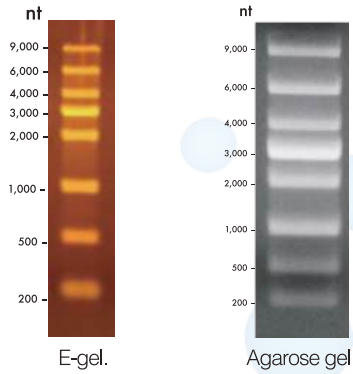
RNA Ladder

Croyez offers high-quality RNA ladders for accurate size estimation and quality control of RNA samples. Now available in three ranges (200–6,000 nt, 200–9,000 nt, and 200–12,000 nt), our ladders are in vitro transcribed and optimized for native agarose gel electrophoresis.

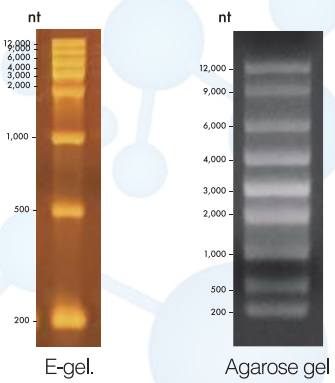
RNA Ladder



Mid Range RNA Ladder



High Range RNA Ladder



Cat#	Product	Package
CR00004	RNA Ladder	50 µL
CR00039	Mid Range RNA Ladder	50 µL
CR00005	High Range RNA Ladder	50 µL