mRNA PRODUCTS AS POSITIVE CONTROL
FOR YOUR GENE DELIVERY SOLUTION

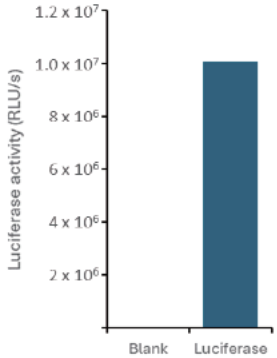
At Croyez, we are proud to offer premium-quality EGFP mRNA and Luciferase mRNA for both in vitro and in vivo experiments. Our products undergo rigorous validation to ensure optimal performance, providing you with reliable results every time.

Verified Efficacy
Our mRNA products are meticulously tested to deliver consistently high levels of reporter expression in diverse experimental settings.

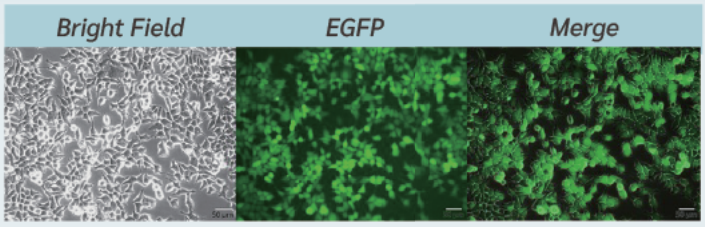
Versatile Applications
From assessing mRNA delivery and expression efficiency to serving as essential controls, our mRNA products empower researchers across various fields.

Highlight
- **mRNA generated with Cap 1, validated 5' & 3' UTRs, and a 110-bp poly A tail.**
- **We can provide both conventional and self-amplifying mRNA products, extending the observation time.**
- **Modified nucleotides like m1Ψ can be included during synthesis to boost mRNA translation and immune evasion.**

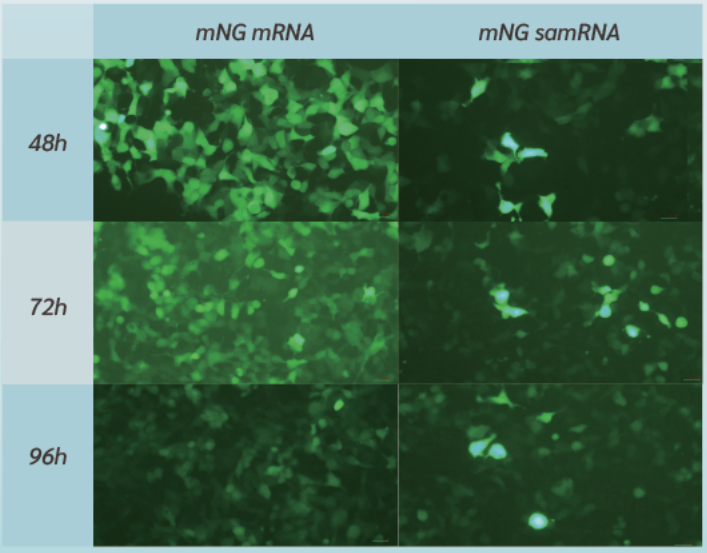
Cat#	Product
CR00001	EGFP mRNA (m1ψ substitution)
CR00002	EGFP mRNA (unmodified)
CR00003	Firefly Luc mRNA (m1 ψ substitution)
CR00006	Firefly Luc mRNA (unmodified)
CR00007	mNeonGreen (m1ψ substitution)
CR00008	mNeonGreen (unmodified)
CR00009	mNeonGreen Self-Amplifying mRNA/ mNG samRNA (m1ψ substitution)
CR00010	mNeonGreen Self-Amplifying mRNA/ mNG samRNA (unmodified)



Firefly Luc mRNA
Firefly luciferase activities in 293T cells were analyzed after 24 h luciferase mRNA transfection



EGFP mRNA
EGFP is expressed in 293T cells 24 hours after transfection by LNP.



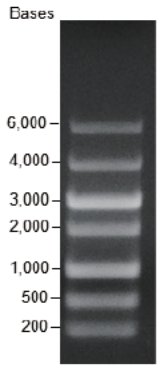
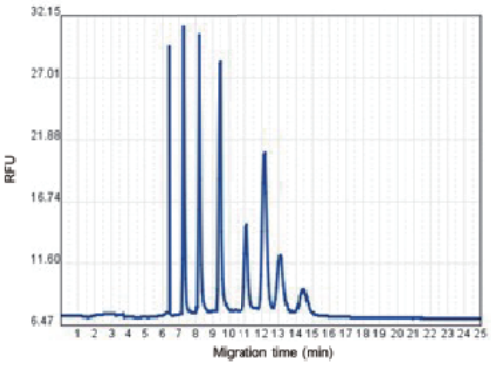
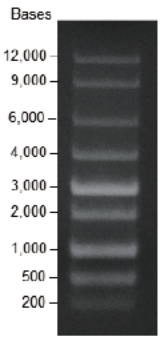
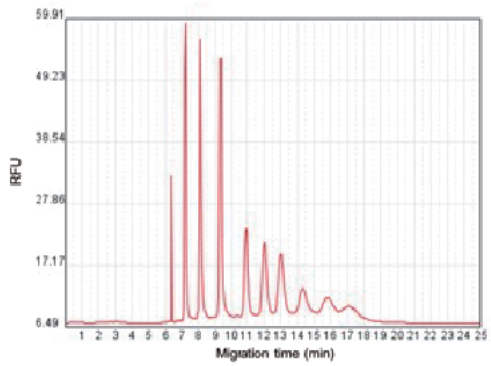
mNG conventional mRNA vs samRNA
samRNA maintains superior fluorescence expression in 293T cells, lasting up to 96 hours post-transfection, compared to conventional mRNA.

Enhance RNA Research Precision
WITH CROYEZ'S EXCLUSIVE RNA LADDERS

The emerging trend in mRNA vaccine design focuses on self-amplifying mRNA (samRNA), which offers long-lasting immune responses with low-dose immunization. Croyez provides exclusive RNA ladders tailored to support samRNA research, including the High Range RNA ladder extending up to 12,000 nt. Engineered for precision and reliability, these RNA ladders facilitate accurate size determination for samRNA applications, supporting advancements in vaccine development.

Highlight

- **Exclusive RNA ladders cater to the emerging trend of self-amplifying mRNA (samRNA) vaccine design**
- **High Range RNA ladder extends up to 12,000 bases, facilitating accurate size determination for samRNA applications**

Cat# / Product		
CR00004 *RNA Ladder*	 *Agarose gel* *2 ul/ lane 0.9% TAE agaros gel*	 *Capillary Electrophoresis* *High-Resolution capillary electrophoresis separation of RNA Ladder*
CR00005 *High Range RNA Ladder*	 *Agarose gel* *2 ul/ lane 0.9% TAE agaros gel*	 *Capillary Electrophoresis* *High-Resolution capillary electrophoresis separation of RNA Ladder*