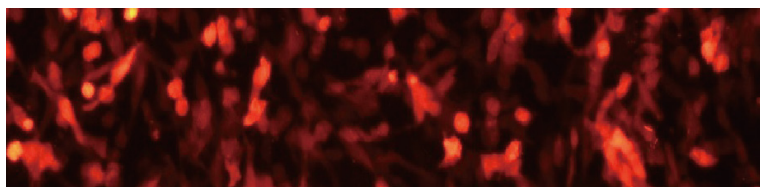




# Let Your Cells Glow Longer with RFP Self-Amplifying RNA

RFP Self-Amplifying RNA (saRNA) delivers bright, long-lasting red fluorescence (~583 nm) for live-cell imaging, gene expression studies, and protein localization. Its self-amplifying design enables stronger, sustained expression at lower doses than traditional mRNA. Croyez's RFP saRNA is IVT-produced and optimized with Cap1 and a 3' poly(A) tail to enhance stability and translation, ensuring performance comparable to mature cellular mRNA.



RNA Integrity	Intact band, no degradation
Purity	Clean profile, minimal byproducts
Size Confirmation	Matches expected saRNA length
Application Readiness	Suitable for strong, long-term expression

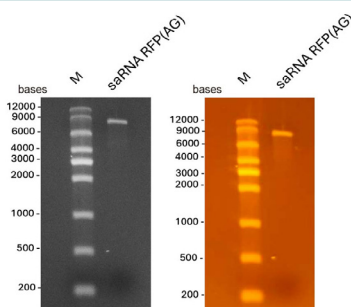


Figure 1.  
was analyzed on a 1% E-Gel. Lane 1: High Range RNA ladder (cat no: CR00005)

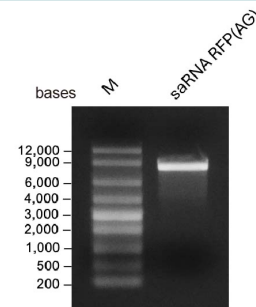
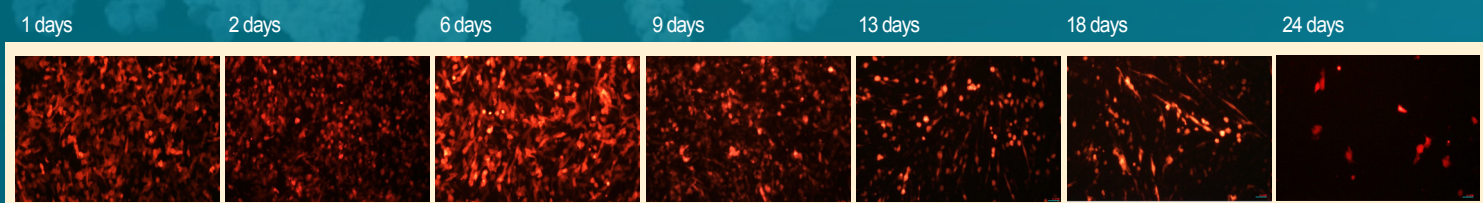


Figure 2.  
RFP saRNA was analyzed on a 1% TAE agarose gel at 100 V for 30 minutes



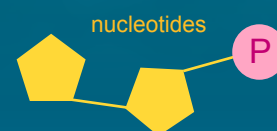
## Technical Highlights



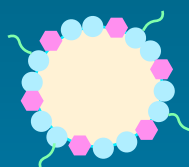
- IVT-produced saRNA with Cap1 structure



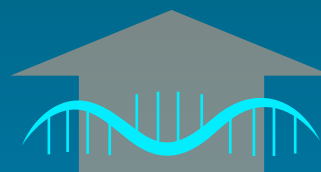
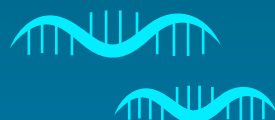
- Optimized 3' poly(A) tail for improved stability & translation



- Unmodified nucleotides for natural cellular processing



- Compatible with standard transfection reagents (LNP, lipofection)



- Sequence engineered for enhanced durability and protein yield

## RFP saRNA Key Features

- ✓ Long-Lasting Expression – Enables extended RFP fluorescence for >1–2 weeks depending on cell type.
- ✓ High Expression at Low Doses – Self-amplifying mechanism boosts protein output with minimal RNA input.
- ✓ Strong Fluorescent Signal (~583 nm) – Ideal for live-cell imaging and multiplex fluorescence studies.

Cat#	Product	Package
CR00032	RFP Self-Amplifying RNA	100 µg/1 mg