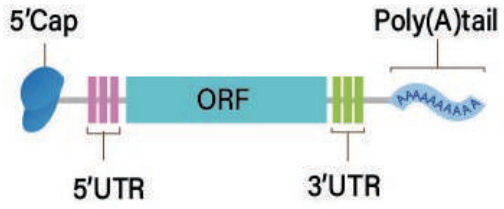
CROYEZ

mCherry – Fluorescent Precision, Wherever You Deliver.

Croyez mCherry Reporter mRNA is a high-purity, in vitro transcribed mRNA encoding the red fluorescent protein mCherry, optimized for efficient expression in mammalian cells and animal models. Ideal for evaluating RNA delivery efficiency, mRNA stability, and live cell tracking in both in vitro and in vivo studies.



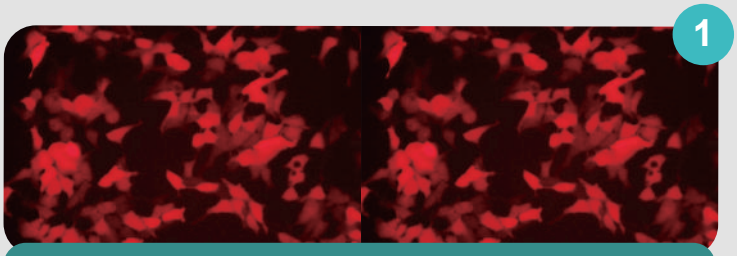
Key Features

- **Cap1 and poly (A) tail for enhance stability**
- **Modified nucleotides (m1Ψ) reduce immunogenicity**
- **Available as naked mRNA or LNP-formulated**
- **Compatible with FACS, fluorescence microscopy, histology**

Data Highlight

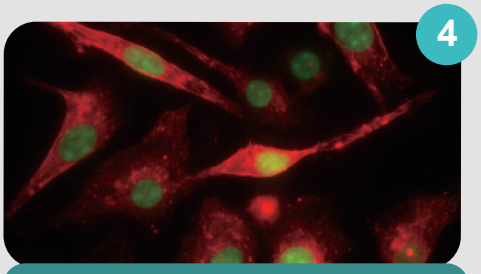
>90% fluorescent-positive cells (FACS) | Strong cytoplasmic signal (Microscopy) | Low cytotoxicity observed

Application Scenarios


1. Cell tracking & imaging in live-cell assays


2. Development of mRNA Drug Delivery Systems


3. Vaccine development

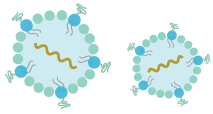

4. Co-transfection control in gene editing or CRISPR


5. High-Throughput Drug Screening (HTS)

Available Formats

RUO Naked mRNA:
For in vitro cell-based assays

RUO LNP-formulated mRNA:
For in vivo animal delivery



Customization Options

- ✓ Sequence optimization
- ✓ Nucleotide modification schemes
- ✓ Co-delivery controls (GFP, RFP,mCherry)
- ✓ mRNA + LNP bundled formulation

Contact Croyez Bioscience
Let us accelerate your mRNA delivery development.