



Bright. Stable. Reliable.

The mCherry mRNA you can trust.



From Transcription to Translation—Seamlessly.

Our mCherry mRNA is engineered for maximum brightness and stability, with full Cap1 and poly(A) tail design. Transfect, visualize, and publish—without worrying about signal loss or degradation.

mCherry

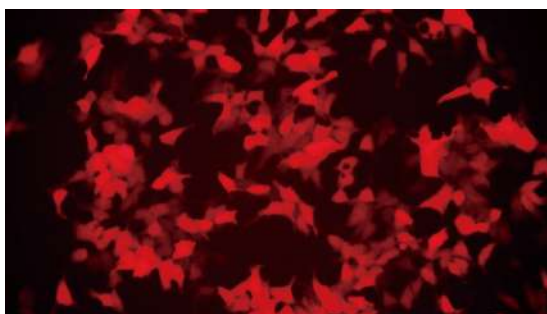


Figure1: 293T cells (0.4×10^5 cells per well, 24-well plate) were transfected with 1 μ g of mCherry mRNA using the EndoSafe mRNA Transfection Kit (C15053-K01).

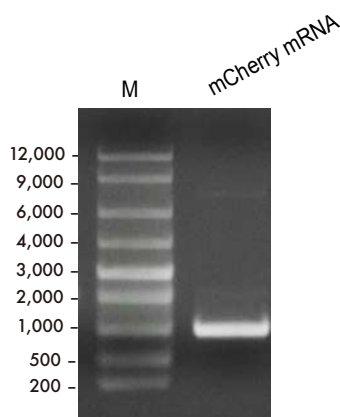


Figure2: mCherry mRNA was analyzed on a 1% TAE agarose gel at 100 V for 30 minutes.

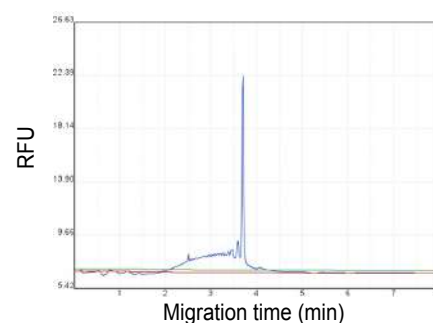


Figure3: mCherry mRNA was analyzed by capillary electrophoresis.

mCherry mRNA information	
mRNA Length	1078 nt
Cap Structure	Cap 1
Modified Bases	Optional N1-Me-pUTP (N1-m ψ) to increase stability and reduce immunogenicity
Purity	by FPLC analysis

Application



In vitro Transcription and Translation:

Efficient production of red fluorescent protein for research use.



Labeling and Tracking:

Monitor dynamic changes in live cells, such as migration, division, or differentiation.



Co-expression Studies:

Combine with other fluorescent mRNAs (e.g., GFP) for multicolor imaging and analysis.



Functional Assays:

Use for RNA delivery into cells via transfection, electroporation, or microinjection.



Imaging:

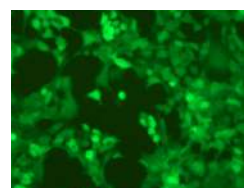
Monitor fluorescence using a fluorescence microscope with suitable filters (excitation: 540–590 nm; emission: 600–630 nm).



Bright Red Fluorescence:

Excitation peak: 587 nm, Excitation peak: 610 nm.

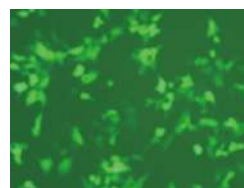
Reporter Gene



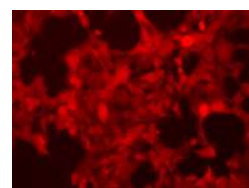
▲ GFP mRNA (m1 ψ)



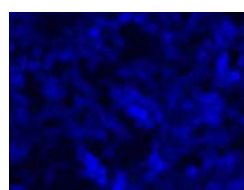
▲ EGFP mRNA (m1 ψ)



▲ mNeonGreen mRNA (m1 ψ)



▲ tdTomato mRNA (m1 ψ)



▲ BFP mRNA (m1 ψ)

Enhance Your Research with Multicolor Reporter Gene mRNAs for Precise Cell Tracking and Analysis!

