

Smurf Magic BFP mRNA

Blue Fluorescence for Advanced Cell Labeling and Functional Studies

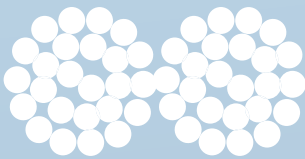


| BFP mRNA | BFP mRNA information | |
|----------|----------------------|--|
| | mRNA Length: | 1324 nt |
| | Cap Structure: | Cap 1 |
| | Modified Bases: | Optional N1-Me-pUTP (N1-m ψ) to increase stability and reduce immunogenicity |
| | Purity: | by FPLC analysis |

Application

1 In vitro Transcription and Translation

Efficient production of BFP protein for research use.



2 Labeling and Tracking

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



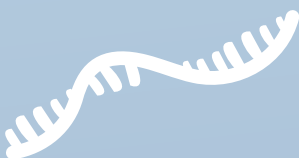
3 Co-expression Studies

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



4 Functional Assays

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



5 Bright Blue Fluorescence

Excitation peak: 443 nm,
Emission peak: 488 nm,



6 Imaging

Monitor fluorescence using a fluorescence microscope with suitable filters (excitation: 379-401 nm; emission: 435-485 nm).

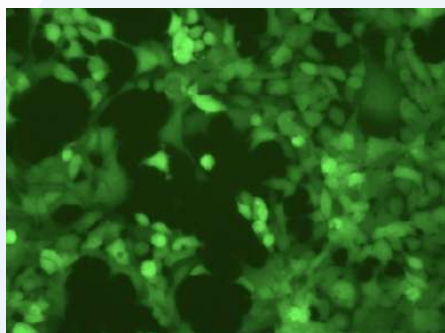


Enhance Your Research with Multicolor Reporter Gene mRNAs for Precise Cell Tracking and Analysis

Reporter mRNA: **GFP** **EGFP** **mNeonGreen** **mCherry** **tdTomato**

Transfection reagent: EndoSafe mRNA transfection reagent (C15053-K01)

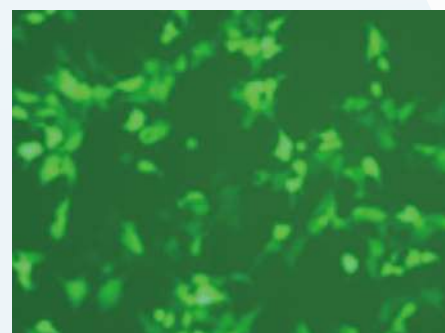
GFP mRNA(m1ψ)



EGFP mRNA(m1ψ)



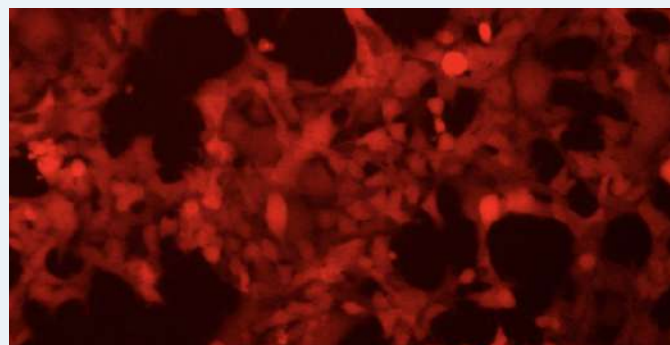
mNeonGreen mRNA(m1ψ)



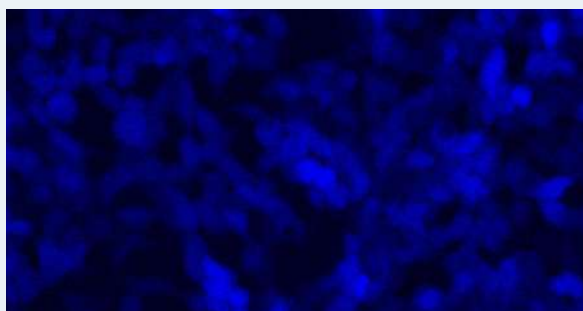
mCherry mRNA(m1ψ)



tdTomato mRNA(m1ψ)



BFP mRNA



293T cells (0.8×10^5 cells per well, 24-well plate) were transfected with 1 μ g of BFP mRNA using the EndoSafe mRNA Transfection Kit (C15053-K01).

