

Catalog number	CR00022-100UG / CR00022-1MG
Package	100 μ g / 1 mg
Description	<p>BFP mRNA (Blue Fluorescent Protein mRNA) expresses blue fluorescent protein in cells, emitting light at approximately 443 nm. It's used for visualizing cellular processes, gene expression analysis, protein localization, and multiplex imaging with other markers. As a transient expression system, BFP mRNA is ideal for experiments like live cell tracking and gene editing research.</p> <p>Croyez's BFP mRNA is produced through in vitro transcription, featuring a Cap1-modified 5' end, a poly(A) tail at the 3' end, and modified nucleotides to reduce immune response. These enhancements ensure stability and performance, allowing the mRNA to function like natural mature mRNAs in cells.</p>
mRNA length	1324 nt
Base Composition	N1-Me-pUTP (N1-m ψ)
Concentration	1.0 mg/ mL
Cap Modification	Cap 1 structure
Poly A tail	Yes
Form	Liquid
Buffer	1 mM sodium citrate buffer, pH 6.4.
Storage	<p>Products can be stored at -80°C or below.</p> <p>We recommend to aliquot the mRNA solution for a better storage. Avoid repeated freeze/thaw cycles.</p>
Shipping	The products are shipped on dry ice and should be avoided for freeze-thaw cycles.
Application	Reporter Genes

For Research Use Only. Not for use in diagnostic or therapeutic procedures.