PRODUCT INFORMATION

GFP mRNA (m1ψ substitution)

v. 240601

Catalog number	CR00015-100UG / CR00015-1MG
Package	100 μg / 1 mg
Description	The GFP mRNA is designed for high Green Fluorescent Protein expression, serving as a transfection efficiency control. The protein emits bright green fluorescence (505/525nm), facilitating mRNA delivery tracking. GFP, a widely used reporter gene, allows direct visualization with standard filters. In mRNA form, it offers rapid transient expression without nuclear uptake, proportional to mRNA quantity. Croyez's GFP 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.
mRNA length	1332 nt
Base Composition	N1-Me-pUTP (N1-mψ)
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	Products can be stored at -80°C or below. We recommend to aliquot the mRNA solution for a better storage. Avoid repeated freeze/thaw cycles.
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.