

PRODUCT INFORMATION

GFP mRNA (unmodified)

v. 240601

Catalog number	CR00016-100UG / CR00016-1MG
Package	100 µg / 1 mg
Description	<p>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.</p> <p>Croyez's GFP mRNAs was generated through in vitro transcription, and these mRNAs are then fortified at their 5' end by modified nucleotide capping, known as Cap1. To mimic the characteristics of fully processed mature mRNAs, we incorporate a poly(A) tail at the 3' end and optimize the mRNAs to enhance stability and overall performance. This ensures that the mRNAs function similarly to naturally occurring mature mRNAs in cells.</p>
mRNA length	1332 nt
Base Composition	Unmodified bases
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.