

EGFP mRNA (m1 ψ substitution)

v. 240501

Catalog number	CR00001-100UG / CR00001-1MG
Package	100 μ g / 1 mg
Description	<p>The enhanced form of the green fluorescent protein, which was initially obtained from the jellyfish <i>Aequorea Victoria</i>, will be expressed by the EGFP mRNA. In mammalian cell culture, EGFP is a frequently employed direct detection reporter that produces brilliant green fluorescence with an emission peak at 509 nm.</p> <p>Croyez's EGFP 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	1209 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.