PRODUCT INFORMATION

mCherry mRNA (m1ψ substitution)

v. 240701

Catalog number	CR00020-100UG / CR00020-1MG
Package	100 μg / 1 mg
Description	mCherry is a red fluorescent protein derived from DsRed, engineered for brightness, stability, and quick maturation in cells. Encoded by mCherry mRNA, it absorbs at 587 nm and emits at 610 nm, with excellent resistance to photobleaching. Widely used in gene delivery, mCherry allows precise tracking of gene expression dynamics using standard fluorescence techniques like microscopy and flow cytometry. Croyez's mCherry 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	1078 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.