PRODUCT INFORMATION

mNeonGreen mRNA (unmodified)

v. 240701

Catalog number	CR00008-100UG / CR00008-1MG
Package	100 µg / 1 mg
Description	The mNeonGreen mRNA is a reporter gene used in molecular biology to study gene expression. It encodes a fluorescent protein that emits green light, allowing researchers to visually track and measure gene activity in cells. This makes mNeonGreen a valuable tool for monitoring cellular processes and understanding gene regulation. Croyez's mNeonGreen mRNA 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.
mRNA length	1321 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	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.