

## PRODUCT INFORMATION

**mNeonGreen mRNA (m1 $\psi$  substitution)**

v. 240701

<b>Catalog number</b>	CR00007-100UG / CR00007-1MG
<b>Package</b>	100 $\mu$ g / 1 mg
<b>Description</b>	<p>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.</p> <p>Croyez's mNeonGreen 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.</p>
<b>mRNA length</b>	1321 nt
<b>Base Composition</b>	N1-Me-pUTP (N1-m $\psi$ )
<b>Concentration</b>	1.0 mg/ mL
<b>Cap Modification</b>	Cap 1 structure
<b>Poly A tail</b>	Yes
<b>Form</b>	Liquid
<b>Buffer</b>	1 mM sodium citrate buffer, pH 6.4.
<b>Storage</b>	<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>
<b>Shipping</b>	The products are shipped on dry ice and should be avoided for freeze-thaw cycles.
<b>Application</b>	Reporter Genes

*For Research Use Only. Not for use in diagnostic or therapeutic procedures.*