

CATUG FLuc mRNA (N¹-Me-Pseudo UTP)

Catalog No. CT072

Product Summary

FLuc mRNA (N¹-Me-Pseudo UTP) is a firefly luciferase encoded mRNA sequence, which can express luciferase protein in cells after transfection. The protein was originally extracted from the firefly (*Photinus pyralis*). Luciferase can catalyze the oxidation of luciferin to produce oxyluciferin, emitting yellow-green bioluminescence (wavelength of 550-570 nm), and the light intensity directly reflects the expression level of luciferase. This product can serve as a positive control for mRNA transfection, and further be used for screening and validation of delivery formulations or expression systems.

Unit Size

	CT072-01	CT072-10	CT072-100
FLuc mRNA (N ¹ -Me-Pseudo UTP)	100 µg	500 µg	1 mg

Product Information

Name	FLuc mRNA (N¹-Me-Pseudo UTP)
mRNA length	1913 nt
Concentration	1 mg/mL
Storage Buffer	MilliQ water
Storage Temperature	-80°C to -65°C
Shipping Condition	Gel coolant/dry ice

Product Applications

1. Analytical or process development
2. Formulation screening or validation
3. Expression system validation

Notes

This product is for research use only and is not intended for diagnostic or therapeutic use in human.

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