

## Enhanced green fluorescent protein(EGFP) In Vitro Transcribed mRNA-LNP

Catalog Number:MRNA-TG-013

DESCRIPTION	
Product Name	Enhanced green fluorescent protein(EGFP) In Vitro Transcribed mRNA-LNP
Gene Name	Enhanced green fluorescent protein(EGFP)
Source	In vitro transcribed mRNA encapsulated with LNP
Alternative names	
SPECIFICATIONS	
Cap	Cap 1
5'-UTR	5' -untranslated region derived from human alpha-globin RNA with an optimized Kozak sequence
ORF	Enhanced green fluorescent protein(EGFP)
3'-UTR	3' UTR comprising two sequence elements derived from the aminoterminal enhancer of split (AES) mRNA and the mitochondrial encoded 12S ribosomal RNA
Poly(A) Tail	A 110-nucleotide poly(A)-tail consisting of a stretch of 30 adenosine residues, followed by a 10-nucleotide linker sequence and another 70 adenosine residues.
Modifications	N1-methyl-pseudouridine
Neutral Lipid	1,2-distearoyl-sn-glycero-3-phosphocholine (DSPC)
Cholesterol	Cholesterol
Ionizable Lipid	1,2-dimyristoyl-rac-glycero-3-methoxypolyethylene glycol-2000 (PEG2000-DMG)
PEG-lipid	Heptadecan-9-yl 8-((2-hydroxyethyl)(8-(nonyloxy)-8-oxooctyl)amino)octanoate)(SM-102)
Storage	-20 °C
Buffer	PBS, pH7.4
Cryoprotectant	Trehalose
BACKGROUND	
Gene Accession	
Gene Alias	
Background	The enhanced green fluorescent protein (eGFP) and its derivatives have been widely used to tag specific proteins in living cells since the 1990s. The enhanced green fluorescent protein has an excitation peak at 488 nm (blue light) and emits light maximally at 507 nm.



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