

Discosoma red fluorescent protein(DsRed) In Vitro Transcribed mRNA-LNP

Catalog Number:MRNA-TG-018

DESCRIPTION	
Product Name	Discosoma red fluorescent protein(DsRed) In Vitro Transcribed mRNA-LNP
Gene Name	Discosoma red fluorescent protein(DsRed)
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	Discosoma red fluorescent protein(DsRed)
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
Lonizable 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 red fluorescent protein DsRed was discovered in the Anthozoan genus Discosoma. The DsRed fluorescent protein fluorophore features an imidazoline ring system similar to the GFP fluorophore but with a glutamine instead of a serine as the first amino acid residue in the tripeptide sequence.



Seattle Genova

Tel: +1 (425) 247-3088 Fax: +1 (425) 650-9990

Email: info@seattle-genova.com Web: www.seattle-genova.com

Address: 18110 SE 34TH ST STE 455, Vancouver, WA 98683
