

Hyaluronidase In Vitro Transcribed mRNA-LNP

Catalog Number:SG-MRNA-LNP-1919

DESCRIPTION	
Product Name	Hyaluronidase In Vitro Transcribed mRNA-LNP
Gene Name	Hyaluronidase
Source	The ORF of Hyaluronidase was cloned in our IVT vector and mRNA was prepared through in vitro transcription and purification. The purified mRNA was further encapsulated with LNP(DSPC:Cholesterol:DMG-PEG:SM102).
Alternative names	Hyaluronidase
SPECIFICATIONS	
Cap	m7GpppN
5'-UTR	5' -untranslated region derived from human alpha-globin RNA with an optimized Kozak sequence
ORF	Hyaluronidase
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	Hyaluronidase

the ability of these other compounds to permeate the extracellular space more easily.

Background

Hyaluronidase cleaves hyaluronic acid at the glucosaminidic bond between C1 of glucosamine and C4 of glucuronic acid. Hyaluronic acid is a key component of the extracellular matrix. Injection of hyaluronidase with other fluids, drugs, or radiopaque agents improves