

## 140-aa MUC1 repeats Circular RNA for Cancer Vaccine Research

Catalog Number:CVAC-ORNA-0454

DESCRIPTION	
Product Name	140-aa MUC1 repeats Circular RNA for Cancer Vaccine Research
Gene Name	140-aa MUC1 repeats
Source	In vitro transcribed mRNA was further circularized to make this product as a circular RNA.
Alternative names	Synthetic MUC1 Peptide Vaccine
SPECIFICATIONS	
Cap	
5'-UTR	5' -untranslated region derived from human alpha-globin RNA with an optimized Kozak sequence
ORF	140-aa MUC1 repeats
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	
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	-80 °C
Buffer	PBS, pH7.5
Cryoprotectant	Trehalose
BACKGROUND	
Gene Accession	
Gene Alias	Synthetic MUC1 Peptide Vaccine
Background	The 140-aa synthetic MUC1 peptide used for immunization corresponds to seven tandem repeats of a 20-aa sequence from the extracellular tandem repeat domain of MUC1. The amino acid sequence of one repeat is GVTSAPDTRPAPGSTAPPAH.