

MUC1/B7-1/ICAM-1/LFA-3 Circular RNA for Cancer Vaccine Research

Catalog Number:CVAC-ORNA-0431

DESCRIPTION	
Product Name	MUC1/B7-1/ICAM-1/LFA-3 Circular RNA for Cancer Vaccine Research
Gene Name	MUC1/B7-1/ICAM-1/LFA-3
Source	In vitro transcribed mRNA was further circularized to make this product as a circular RNA.
Alternative names	rF-MUC1(DF3)/TRICOM Vaccine
SPECIFICATIONS	
Cap	
5'-UTR	5' -untranslated region derived from human alpha-globin RNA with an optimized Kozak sequence
ORF	MUC1/B7-1/ICAM-1/LFA-3
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	rF-MUC1(DF3)/TRICOM Vaccine
Background	Description: A fowlpox vaccine containing the tumor-associated antigen mucin-1 (MUC1), found in pancreatic tumor cells, and a TR1ad of COstimulatory Molecules (B7-1, ICAM-1 and LFA-3; TRICOM), which is designed to enhance antigen presentation and activation of immune responses critical for tumor destruction. Vaccination with this agent may elicit a host immune response against MUC1-expressing tumor cells. (NCIT_C29558).



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