

STn-KLH Circular RNA for Cancer Vaccine Research

Catalog Number: CVAC-ORNA-0443

DESCRIPTION	
Product Name	STn-KLH Circular RNA for Cancer Vaccine Research
Gene Name	STn-KLH
Source	In vitro transcribed mRNA was further circularized to make this product as a circular RNA.
Alternative names	STn-KLH plus Detox Vaccine
SPECIFICATIONS	
Cap	
5'-UTR	5' -untranslated region derived from human alpha-globin RNA with an optimized Kozak sequence
ORF	STn-KLH
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
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	-80 °C
Buffer	PBS, pH7.5
Cryoprotectant	Trehalose
BACKGROUND	
Gene Accession	
Gene Alias	STn-KLH plus Detox Vaccine
Background	Description: A vaccine comprised of a synthetic Sialyl-Tn antigen linked to the protein carrier, keyhole limpet hemocyanin (KLH), administered with immunostimulant, Detox. Vaccination with STn-KLH plus Detox may elicit an IgG-based anti-STn antibody response and ultimately a cytotoxic T-cell response against STn-expressing cancer cells. (NCIT_C2501).