

hTERT(540 to 548) Circular RNA for Cancer Vaccine Research

Catalog Number:CVAC-ORNA-0461

DESCRIPTION	
Product Name	hTERT(540 to 548) Circular RNA for Cancer Vaccine Research
Gene Name	hTERT(540 to 548)
Source	In vitro transcribed mRNA was further circularized to make this product as a circular RNA.
Alternative names	Telomerase: 540-548 Peptide Vaccine
SPECIFICATIONS	
Cap	
5'-UTR	5' -untranslated region derived from human alpha-globin RNA with an optimized Kozak sequence
ORF	hTERT(540 to 548)
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	Telomerase: 540-548 Peptide Vaccine
Background	Description: A recombinant peptide consisting of the amino acid residues 540 to 548 of the human telomerase reverse transcriptase (hTERT). Telomerase expression has been directly linked to tumor development; its catalytic subunit is expressed in the majority of human cancer cells, but infrequently in normal cells. Vaccination with telomerase:540-548 peptide may stimulate cytotoxic T cells to recognize and kill telomerase-expressing cells. (NCI04) (NCIT_C2640).



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