

URLC10-TTK-KOC1-VEGFR1-VEGFR2 Circular RNA for Cancer Vaccine Research

Catalog Number:CVAC-ORNA-0471

DESCRIPTION	
Product Name	URLC10-TTK-KOC1-VEGFR1-VEGFR2 Circular RNA for Cancer Vaccine Research
Gene Name	URLC10-TTK-KOC1-VEGFR1-VEGFR2
Source	In vitro transcribed mRNA was further circularized to make this product as a circular RNA.
Alternative names	URLC10-TTK-KOC1-VEGFR1-VEGFR2 Multipeptide Vaccine
SPECIFICATIONS	
Cap	
5'-UTR	5' -untranslated region derived from human alpha-globin RNA with an optimized Kozak sequence
ORF	URLC10-TTK-KOC1-VEGFR1-VEGFR2
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	URLC10-TTK-KOC1-VEGFR1-VEGFR2 Multipeptide Vaccine

vaccine may stimulate a cytotoxic T lymphocyte (CTL) response against tumor cells expressing URLC10, TTK, KCO1, VEGFR 1 and 2 peptides, resulting in cell lysis and decreased tumor growth. (NCIT_C74088).

Background

Description: A cancer vaccine containing five peptide epitopes with potential immunostimulatory and antitumor activity. Peptide epitopes in this vaccine are derived from: URLC10 (up-regulated lung cancer 10), TTK (TTK protein kinase), KOC1 (IGF II mRNA Binding Protein 3) and VEGFRs (vascular endothelial growth factor receptors) 1 and 2. Upon administration, URLC10-TTK-KOC1-VEGFR1-VEGFR2 multi-peptide