

# URLC10/CDCA1/KCO1 Circular RNA for Cancer Vaccine Research

Catalog Number: CVAC-ORNA-0470

DESCRIPTION	
Product Name	URLC10/CDCA1/KCO1 Circular RNA for Cancer Vaccine Research
Gene Name	URLC10/CDCA1/KCO1
Source	In vitro transcribed mRNA was further circularized to make this product as a circular RNA.
Alternative names	URLC10-CDCA1-KOC1 Multipeptide Vaccine
SPECIFICATIONS	
Cap	
5'-UTR	5' -untranslated region derived from human alpha-globin RNA with an optimized Kozak sequence
ORF	URLC10/CDCA1/KCO1
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	URLC10-CDCA1-KOC1 Multipeptide Vaccine

peptides, resulting in cell lysis and decreased tumor growth. (NCIT\_C95212).

**Background**

**Description:** A cancer vaccine containing multiple peptide epitopes with potential immunostimulatory and antitumor activities. Peptide epitopes in this vaccine are derived from, URLC10 (up-regulated lung cancer 10), CDCA1 (cell division cycle-associated protein 1), KOC1 (IGF II mRNA Binding Protein 3). Upon administration, URLC10-CDCA1-KOC1 multipeptide vaccine may stimulate a cytotoxic T lymphocyte (CTL) response against tumor cells expressing URLC10, CDCA1, KCO1