

CEACAM5 Circular RNA for Cancer Vaccine Research

Catalog Number: CVAC-ORNA-0416

DESCRIPTION	
Product Name	CEACAM5 Circular RNA for Cancer Vaccine Research
Gene Name	CEACAM5
Source	In vitro transcribed mRNA was further circularized to make this product as a circular RNA.
Alternative names	Recombinant Vaccinia-CEA
SPECIFICATIONS	
Cap	
5'-UTR	5' -untranslated region derived from human alpha-globin RNA with an optimized Kozak sequence
ORF	CEACAM5
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	Recombinant Vaccinia-CEA
Background	Description: A recombinant vaccinia virus encoding carcinoembryonic antigen (CEA). CEA is overexpressed in several cancer cell types, including gastrointestinal, breast, and non-small cell lung cancers. Attenuated vaccinia virus is a highly effective immunizing agent that evokes both humoral and cell-mediated responses. Vaccination with this agent may evoke a cytotoxic immune response to CEA-expressing cells. (NCI04) (NCIT_C2809).



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