

# super cytosine deaminase (SCD) Circular RNA for Cancer Vaccine Research

Catalog Number:CVAC-ORNA-0435

DESCRIPTION	
Product Name	super cytosine deaminase (SCD) Circular RNA for Cancer Vaccine Research
Gene Name	super cytosine deaminase (SCD)
Source	In vitro transcribed mRNA was further circularized to make this product as a circular RNA.
Alternative names	rMeV- SCD
SPECIFICATIONS	
Cap	
5'-UTR	5' -untranslated region derived from human alpha-globin RNA with an optimized Kozak sequence
ORF	super cytosine deaminase (SCD)
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	rMeV- SCD
Background	Preparation: A measles vaccine virus (MeV) vector expressing super cytosine deaminase (SCD), a fusion protein of yeast cytosine deaminase and uracil phosphoribosyltransferase (Lange et al., 2013).