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Csf2-Mouse Circular RNA for Cancer Vaccine Research

Catalog Number:CVAC-ORNA-0474

DESCRIPTION	
Product Name	Csf2-Mouse Circular RNA for Cancer Vaccine Research
Gene Name	Csf2-Mouse
Source	In vitro transcribed mRNA was further circularized to make this product as a circular RNA.
Alternative names	Vaccinia-GM-CSF Vaccine
SPECIFICATIONS	
Cap	
5'-UTR	5' -untranslated region derived from human alpha-globin RNA with an optimized Kozak sequence
ORF	Csf2-Mouse
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	Vaccinia-GM-CSF Vaccine
Background	Description: A recombinant vaccinia virus that encodes granulocyte-macrophage colony stimulating factor (GM-CSF). By activating T-cells and macrophages, vaccination with recombinant vaccinia GM-CSF may enhance the host immune system response to poorly immunogenic tumors, resulting in decreased tumor growth. (NCI04) (NCIT_C2674).