

mab MOv18-gamma Circular RNA for Cancer Vaccine Research

Catalog Number:CVAC-ORNA-0430

DESCRIPTION	
Product Name	mab MOv18-gamma Circular RNA for Cancer Vaccine Research
Gene Name	mab MOv18-gamma
Source	In vitro transcribed mRNA was further circularized to make this product as a circular RNA.
Alternative names	Retroviral Vector MFGS-MOv18-gamma
SPECIFICATIONS	
Cap	
5'-UTR	5' -untranslated region derived from human alpha-globin RNA with an optimized Kozak sequence
ORF	mab MOv18-gamma
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	Retroviral Vector MFGS-MOv18-gamma

might be used to transduce autologous T lymphocytes, and reintroduced back to the patient after expansion ex vivo to invoke specific immune response against ovarian cancer cells. (NCIT_C29192).

Background

Description: A recombinant retrovirus containing the modified murine retroviral vector MFG-S encoding a chimeric construct, MOv18-gamma. MOv18 is a murine monoclonal antibody developed against epitope of human folate binding protein, which is overexpressed on more than 90% of non-mucinous epithelial ovarian neoplasms. The chimeric construct (MOv18-gamma) encodes the variable region of MOv18 antibody, and the gamma chain of human T-cell receptor. This virion