

ZNF281 Circular RNA

Catalog Number:STEM-ORNA-0064

DESCRIPTION	
Product Name	ZNF281 Circular RNA
Gene Name	ZNF281
Source	In vitro transcribed mRNA was further circularized to make this product as a circular RNA.
Alternative names	ZNF281 Zinc Finger Protein 281 ZBP-99 GC-Box-Binding Zinc Finger Protein Zinc Finger DNA-Binding Protein 99 Transcription Factor ZBP-99 ZBP99 GZP1 ZNP-99 Transcription Factor ZNP-99 HGNC: 13075 NCBI Entrez Gene: 23528 Ensembl: ENSG00000162702 OMIM®: 618703 UniProtKB/Swiss-Prot: Q9Y2X9
SPECIFICATIONS	
Cap	
5'-UTR	
ORF	=A61
3'-UTR	
Poly(A) Tail	
Modifications	
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, pH7.65
Cryoprotectant	Trehalose
BACKGROUND	
Gene Accession	
Gene Alias	

differentiation and acts by mediating autorepression of NANOG in ESCs: binds to the NANOG promoter and promotes association of NANOG protein to its own promoter and recruits the NuRD complex, which deacetylates histones. Not required for establishment and maintenance of ESCs (By similarity). Represses the transcription of a number of genes including GAST, ODC1 and VIM. Binds to the G-rich box in the enhancer region of these genes. (ZN281_HUMAN,Q9Y2X9)

Background

ZNF281 (Zinc Finger Protein 281) is a Protein Coding gene. Among its related pathways are Mesodermal commitment pathway. Gene Ontology (GO) annotations related to this gene include DNA-binding transcription factor activity and RNA polymerase II cis-regulatory region sequence-specific DNA binding. An important paralog of this gene is ZNF148. Transcription repressor that plays a role in regulation of embryonic stem cells (ESCs) differentiation. Required for ESCs