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WT1 Circular RNA

Catalog Number:STEM-ORNA-0062

DESCRIPTION	
Product Name	WT1 Circular RNA
Gene Name	WT1
Source	In vitro transcribed mRNA was further circularized to make this product as a circular RNA.
Alternative names	WT1 WT1 Transcription Factor WIT-2 NPHS4 WAGR AWT1 WT-1 Wilms Tumor Protein Wilms Tumor WT33 GUD
SPECIFICATIONS	
Cap	
5'-UTR	
ORF	=A59
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, pH7.63
Cryoprotectant	Trehalose
BACKGROUND	
Gene Accession	
Gene Alias	

	genes, including EPO. Plays an essential role for development of the urogenital system. It has a tumor suppressor as well as an oncogenic role in tumor formation. Function may be isoform-specific: isoforms lacking the KTS motif may act as transcription factors (PubMed:15520190). Isoforms containing the KTS motif may bind mRNA and play a role in mRNA metabolism or splicing (PubMed:16934801). Isoform 1 has lower affinity for DNA, and can bind RNA (PubMed:19123921). (WT1_HUMAN,P19544)
Background	WT1 (WT1 Transcription Factor) is a Protein Coding gene. Diseases associated with WT1 include Wilms Tumor 1 and Denys-Drash Syndrome. Among its related pathways are Mammalian disorder of sexual development and Nervous system development. Gene Ontology (GO) annotations related to this gene include nucleic acid binding and sequence-specific DNA binding. An important paralog of this gene is EGR1. Transcription factor that plays an important role in cellular development and cell survival (PubMed:7862533). Recognizes and binds to the DNA sequence 5'-GCG(T/G)GGGCG-3' (PubMed:7862533, 17716689, 25258363). Regulates the expression of numerous target