



## IVTScrip™ mRNA-Human SOX2, (Cap 0, 2-Thio-UTP, 120 nt-poly(A))

Cat. No.: GTTS-WK1103MR

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

#### Product overview

This product GTTS-WK1103MR is a type of mRNA having 120 nt poly(A) tail and modified with Cap 0 & 2-Thio-UTP. It encodes the SOX2 protein. This product can be used in -related researches.

#### Specifications

<b>Modified bases</b>	2-Thio-UTP
<b>5' Cap</b>	Cap 0
<b>Species</b>	Human
<b>RefSeq</b>	NM_003106
<b>Applications</b>	Gene therapy research
<b>Format</b>	Powder
<b>Quantity</b>	100 µg
<b>Purification</b>	oligo-dT affinity purification

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## GENE INFORMATION

<b>Alternative Names</b>	ANOP3; MGC2413; SRY-box 2; MCOPS3
<b>Description</b>	This gene is a protein coding gene. Exhibits DNA-binding transcription factor activity; miRNA binding activity; and transcription regulatory region sequence-specific DNA binding activity. Involved in several processes, including endodermal cell fate specification; regulation of protein metabolic process; and sensory organ development. Localizes to cytosol and nucleoplasm. Implicated in breast cancer; nasal cavity cancer; and syndromic microphthalmia 3. Biomarker of breast cancer; melanoma; squamous cell carcinoma; tongue squamous cell carcinoma; and transitional cell carcinoma.