



## IVTScrip™ mRNA-Human POU5F1, (Cap 1, 5-Methoxy-UTP, 120 nt-poly(A))

Cat. No.: GTTS-WK4234MR

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

### PRODUCT INFORMATION

#### Product overview

This product GTTS-WK4234MR is a type of mRNA having 120 nt poly(A) tail and modified with Cap 1 & 5-Methoxy-UTP. It encodes the POU5F1 protein. This product can be used in -related researches.

#### Specifications

<b>Modified bases</b>	5-Methoxy-UTP
<b>5' Cap</b>	Cap 1
<b>Species</b>	Human
<b>RefSeq</b>	NM_203289
<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>	Oct-4; Oct-3; OTF3; OTF4
<b>Description</b>	This gene is a protein coding gene. Exhibits several functions, including DNA-binding transcription repressor activity, RNA polymerase II-specific; nucleic acid binding activity; and ubiquitin protein ligase binding activity. Involved in several processes, including BMP signaling pathway involved in heart induction; regulation of canonical Wnt signaling pathway; and regulation of transcription, DNA-templated. Localizes to several cellular components, including cytosol; mitochondrion; and nucleoplasm. Implicated in embryonal carcinoma and seminoma. Biomarker of dysgerminoma; embryonal carcinoma; in situ carcinoma; seminoma; and transitional cell carcinoma.