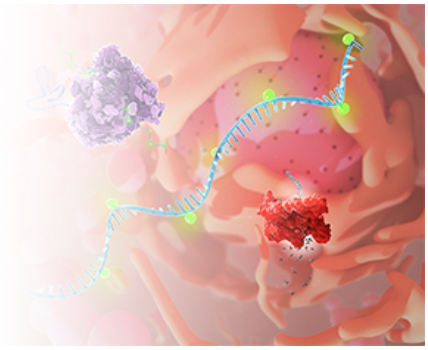

# IVTScrip™ mRNA-Human ACE2, (Cap 0, Pseudo-UTP, 30 nt-poly(A))

Cat. No.: GTTS-WK9122MR

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

## PRODUCT INFORMATION

### Product overview

This product GTTS-WK9122MR is a type of mRNA having 120 nt poly(A) tail and modified with Cap 0 & Pseudo-UTP. It ecodes the ACE2 protein. This product can be used in Oogenesis phase fetal germ cell-related researches.

### Specifications

| | |
|---|---|
| **Modified bases** | Pseudo-UTP |
| **5' Cap** | Cap 0 |
| **Species** | Human |
| **RefSeq** | NM_001371415.1 |
| **Applications** | Gene therapy research |
| **Format** | Powder |
| **Quantity** | 100 μg |
| **Purification** | Chromatography |

## SPECIFICATIONS

SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
1-631-357-2254
Email: info@creative-biolabs.com

| | |
|---|---|
| **Modified bases** | Pseudo-UTP |
| **5' Cap** | Cap 0 |
| **Species** | Human |
| **RefSeq** | NM_001371415.1 |
| **Applications** | Gene therapy research |
| **Format** | Powder |
| **Quantity** | 100 μg |
| **Purification** | Chromatography |

## GENE INFORMATION

| | |
|---|---|
| **Alternative Names** | ACEH |
| **Description** | The protein encoded by this gene belongs to the angiotensin-converting enzyme family of dipeptidyl carboxydipeptidases and has considerable homology to human angiotensin 1 converting enzyme. This secreted protein catalyzes the cleavage of angiotensin I into angiotensin 1-9, and angiotensin II into the vasodilator angiotensin 1-7. ACE2 is known to be expressed in various human organs, and its organ- and cell-specific expression suggests that it may play a role in the regulation of cardiovascular and renal function, as well as fertility. In addition, the encoded protein is a functional receptor for the spike glycoprotein of the human coronavirus HCoV-NL63 and the human severe acute respiratory syndrome coronaviruses, SARS-CoV and SARS-CoV-2, the latter is the causative agent of coronavirus disease-2019 (COVID-19). Multiple splice variants have been found for this gene and the dACE2 (or MIRb-ACE2) splice variant has been found to be interferon inducible. [provided by RefSeq, Nov 2020] |

SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
1-631-357-2254
Email: info@creative-biolabs.com