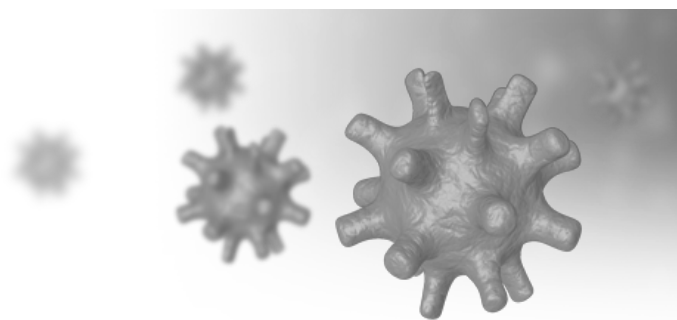




## SARS-CoV-2 S-H519Q-mut Plasmid (pCDNA3.1(+))

Cat. No.: VPLd-Wyb115

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

## PRODUCT INFORMATION

SARS-CoV-2, Spike RBD mutant (H519Q) Plasmid, pCDNA3.1(+).

## SPECIFICATIONS

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Promoter</b>             | Enhanced CMV promoter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Vector</b>               | pCDNA3.1(+)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Target</b>               | SARS-CoV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Bacterial Resistance</b> | Ampicillin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Product Form</b>         | Lyophilized                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Applications</b>         | Used for stable or transient mammalian expression.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Storage</b>              | Ambient temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Introduction</b>         | The 2019 novel coronavirus, or "SARS-CoV-2", was discovered in 2019, and was named by the World Health Organization on January 12, 2020. It belongs to the beta genera of the Coronaviridae family, together with SARS coronavirus in 2003 and MERS coronavirus in 2012. The alignment between SARS-CoV-2 and 2003 SARS CoV has about 70% sequence similarity and 40% sequence similarity with MERS CoV. The coronavirus genome encodes a spike protein, an envelope protein, a membrane protein, and a nucleoprotein. Among them, spike protein is the most important surface membrane protein of coronavirus. |
| <b>Alternative Names</b>    | 2019 novel coronavirus; SARS-CoV-2; Coronaviridae                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |