# Active Recombinant SARS-CoV-2 S Protein, His-tagged

**Cat. No.** S-005S **Lot. No.** (See product label)

## SPECIFICATION

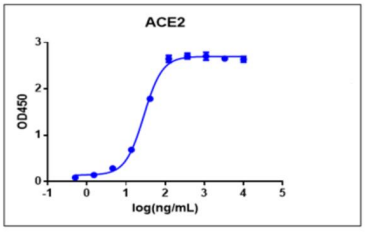
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| **Product Overview** | Recombinant SARS-CoV-2 Spike protein (RBD) with a His tag was expressed in Human Cells. |
| **Species** | SARS-CoV-2 |
| **Source** | Human Cells |
| **Description** | SARS-CoV-2 (Severe Acute Respiratory Syndrome Coronavirus 2) also known as 2019-nCoV (2019 Novel Coronavirus) is a virus that causes illnesses ranging from the common cold to severe diseases. SARS-CoV-2 Spike Protein is composed of S1 domain and S2 domain. S1 contains a receptor-binding domain (RBD) that can specifically bind to angiotensin-converting enzyme 2 (ACE2), the receptor on target cells. It is believed that SARS-CoV-2 Spike Protein (RBD) has potential value for the diagnosis of the virus. |
| **Form** | Liquid |
| **Bio-activity** | SARS-CoV-2 Spike protein (RBD, His Tag) can bind with Human ACE2 in functional ELISA assay. |
| **Molecular Mass** | 30 KD |
| **Purity** | > 90% as analyzed by SDS-PAGE |
| **Storage** | The product can be stored at -20 centigrade or below. Avoid repeated freezing and |

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| | thawing cycles. The shelf life of the product is unspecified. |
| **Storage Buffer** | PBS, pH 7.2 |

## GENE INFORMATION

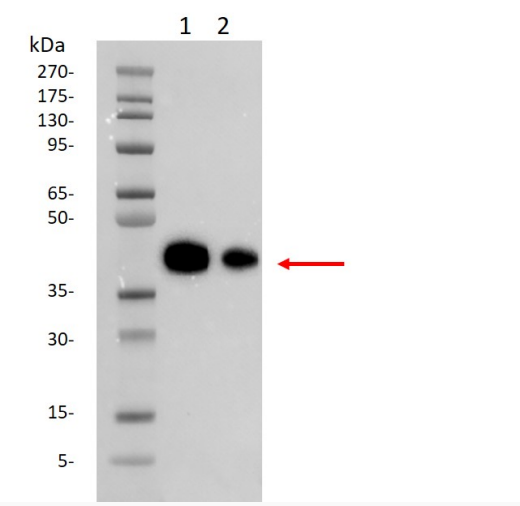
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| **Gene Name** | S surface glycoprotein [ Severe acute respiratory syndrome coronavirus 2 ] |
| **Official Symbol** | S |
| **Synonyms** | S; surface glycoprotein; spike glycoprotein; surface glycoprotein |
| **Gene ID** | 43740568 |
| **UniProt ID** | P0DTC2 |




Immobilized ACE-2 Fc Chimera, Human at 2 μg/mL can bind SARS-CoV-2 Spike protein (RBD, His Tag) with a serial dilution. THETM His Tag Antibody [HRP], mAb, Mouse is used as a secondary antibody (0.2 μg/mL).

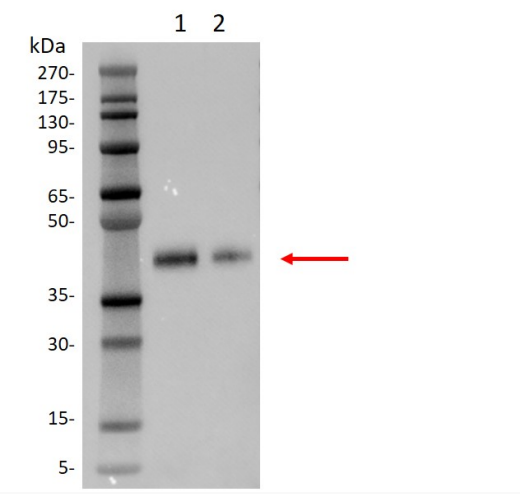
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**Western blot analysis of SARS-CoV-2 Spike protein (RBD, His Tag) using S1 Antibody**



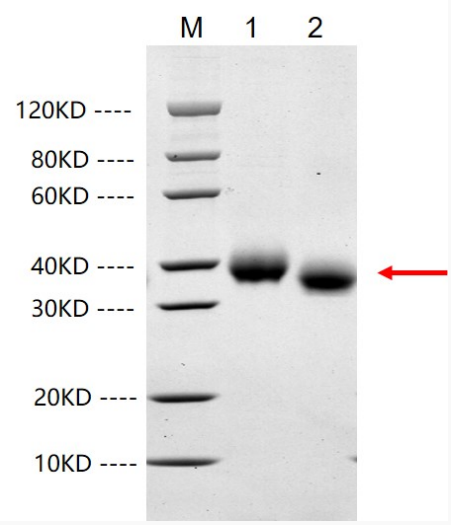

Lane 1: 10 ng of SARS-CoV-2 Spike protein (RBD, His Tag)
Lane 2: 5 ng of SARS-CoV-2 Spike protein (RBD, His Tag)

**Western blot analysis of SARS-CoV-2 Spike protein (RBD, His Tag) using His Antibody.**




Lane 1: 10 ng of SARS-CoV-2 Spike protein (RBD, His Tag)
Lane 2: 5 ng of SARS-CoV-2 Spike protein (RBD, His Tag)

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| **SDS-PAGE** | <br>1: 2 μg of RBD, reducing (R)<br>2: 2 μg of RBD, non-reducing (N) |

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