

Active Recombinant SARS-CoV-2 S protein, His/Flag-tagged

Cat. No. S-003S Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant SARS-CoV-2 Spike protein with His/Flag tag was expressed in Sf9 insect cells.
Species	SARS-CoV-2
Source	Insect 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. ECD is the extra cellular domain of spike protein.
Form	Liquid
Bio-activity	SARS-CoV-2 Spike protein (ECD) can bind with Human ACE2 in functional ELISA assay.
Molecular Mass	135 KD
Purity	> 90% as analyzed by SDS-PAGE
Storage	The product can be stored at -20 centigrade or below. Avoid repeated freezing and thawing cycles. The shelf life of the product is unspecified.

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Storage Buffer PBS pH 7.2 containing 10% glycerol

GENE INFORMATION

Gene Name S surface glycoprotein [Severe acute respiratory syndrome coronavirus 2]

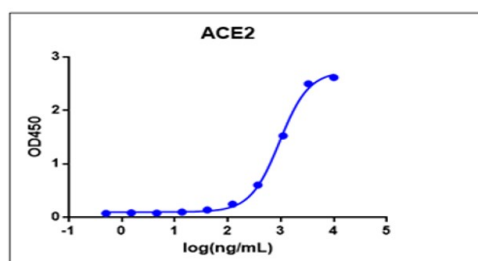
Official Symbol S

Synonyms S; surface glycoprotein; spike glycoprotein; surface glycoprotein

Gene ID 43740568

UniProt ID P0DTC2

ELISA assay



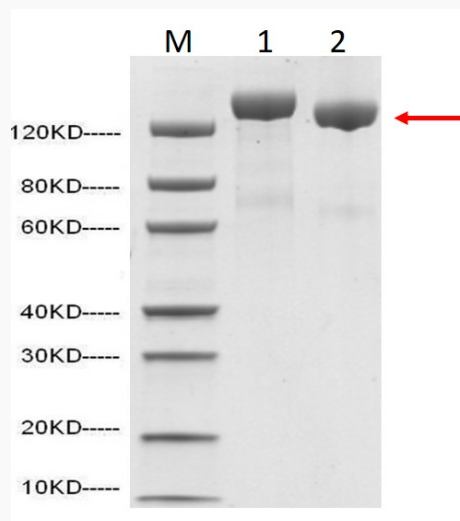
SARS-CoV-2 Spike protein (ECD) can bind with Human ACE2 in functional ELISA assay.

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SDS-PAGE



- 1: 2 µg of S-ECD protein , reducing (R)
- 2: 2 µg of S-ECD protein, non-reducing (N)