

Recombinant SARS-CoV-2 (2019-nCoV) S protein RBD Protein (Arg319-Phe541), mFc tagged

Cat. No. S-746S Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant SARS-CoV-2 (2019-nCoV) S protein RBD Protein (Arg319-Phe541) with mFc (Pro99-Lys330) tag was expressed in HEK293.
Species	SARS-CoV-2
Source	HEK293
ProteinLength	Arg319-Phe541
Description	SARS-CoV-2 (Severe Acute Respiratory Syndrome Coronavirus 2) also known as Covid19 (2019 Novel Coronavirus) is a virus that causes illnesses ranging from the common cold to severe diseases. The spike protein is a type I transmembrane protein containing two subunits, S1 and S2. S1 mainly contains a receptor binding domain (RBD), which accounts for recognizing the cell surface receptor, ACE2. S2 contains basic elements needed for the membrane fusion. Recent publications indicate that S1-RBD domain can induce virus neutralizing-antibody and T cell response.
Form	Lyophilized
Molecular Mass	51.3 kDa
Purity	> 95% as determined by SDS-PAGE and Coomassie blue staining.
Storage	Store at -80 centigrade for 12 months (Avoid repeated freezing and thawing)

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Storage Buffer Lyophilized

GENE INFORMATION

Gene Name [S surface glycoprotein \[Severe acute respiratory syndrome coronavirus 2 \]](#)

Official Symbol [S](#)

Synonyms S; surface glycoprotein; spike glycoprotein; surface glycoprotein; structural protein; spike protein

Gene ID [43740568](#)

Protein Refseq [YP_009724390](#)

UniProt ID [P0DTC2](#)

SDS-PAGE



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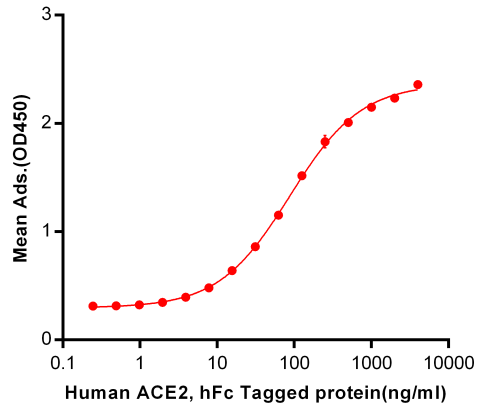
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Activity

S-RBD, mFc Tagged protein ELISA

0.2 µg of S-RBD, mFc Tagged protein per well



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