

# Active Recombinant COVID-19 Spike protein S1 subunit, hFc-tagged

**Cat. No.** Spike-192V    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant COVID-19 Spike protein S1 subunit was fused to Human IgG1 Fc tag at C-terminus and expressed in human cells.
<b>Species</b>	Sars-CoV-2
<b>Source</b>	HEK293
<b>ProteinLength</b>	Val16-Arg685
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4
<b>Bio-activity</b>	Measured by its binding ability in a functional ELISA. Immobilized human ACE2 protein (His tag) at 2µg/mL (100µL/well) can bind SARS-CoV-2 (2019-nCoV) Spike Protein (S1 Subunit, Fc Tag), the EC50 of SARS-CoV-2 (2019-nCoV) Spike Protein (S1 Subunit, Fc Tag) is 10-50 ng/mL.
<b>Molecular Mass</b>	The recombinant SARS-CoV-2 (2019-nCoV) Spike Protein (S1 Subunit, Fc Tag) consists of 908 amino acids and predicts a molecular mass of 101.7 kDa.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method
<b>Purity</b>	> 90 % as determined by SDS-PAGE.
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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