

## SARS-CoV-2 (2019-nCoV) Spike Protein, RBD, hFc-Tag (HEK293)

Cat# P0044

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

### INFORMATION

<b>DESCRIPTION:</b>	<p>The spike protein is a large type I transmembrane protein containing two subunits, S1 and S2. S1 mainly contains a receptor binding domain (RBD), which is responsible for recognizing the cell surface receptor. S2 contains basic elements needed for the membrane fusion. The S protein plays key parts in the induction of neutralizing-antibody and T-cell responses, as well as protective immunity</p> <p>The recombinant S1 protein of SARS-CoV-2 (2019-nCoV) Spike Protein (RBD) consists of 441 amino acids with hFc-tag in C-terminus.</p>
<b>SOURCE:</b>	HEK293 cell
<b>APPEARANCE:</b>	Liquid in sterile PBS, pH7.4.
<b>PURITY:</b>	Greater than 95.0% as determined by SDS-PAGE.
<b>CONCENTRATION</b>	0.2 mg/ml
<b>AMINO ACID SEQUENCE:</b>	<p>RVQPTESIVRFPNITNLCPFGEVFNATRFASVYAWNRRKRISNCVADYSVLYNSASFSTFKCYGVSPKLN DLCFTNVYADSFVIRGDEV RQIAPGQTGKIADYNYKLPDDFTGCVIAWNSNLD SKVGGNYNYLYR LFRKSNLKPFRDISTEIYQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYQPYRVVVL SFELLHAPAT VCGPKKSTNDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYV <u>DGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREP</u> <u>QVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDK</u> <u>SRWQQGNV FSCSVMHEALHNHYTQKLSLSLSPGK</u></p>

### PRODUCT USE LIMITATION

These products are intended for research use only.