

## SARS-CoV-2 (2019-nCoV) Spike Protein (S1) (His Tag)

### Basic information:

<b>Catalog No.:</b>	UDP9003-1	<b>Source:</b>	SARS-CoV-2 (2019-nCoV)
<b>Lot NO.:</b>	U20021401	<b>Expression Host:</b>	HEK293 Cells
<b>Concentration:</b>	0.5 mg/ml	<b>Type:</b>	Recombinant protein
<b>Purity:</b>	> 95 % as determined by SDS-PAGE		

### Useful Information:

#### Construction:

A DNA sequence encoding the SARS-CoV-2 (2019-nCoV) Spike Protein (S1) was expressed with His-tag in C terminus.

#### Molecular Mass:

The S1 protein of SARS-CoV-2 (2019-nCoV) Spike Protein (S1) consists of 678 amino acids.

#### Formulation:

Liquid in sterile PBS, pH7.4.

#### Biological Activity

N/A

#### Endotoxin:

N/A

#### Storage:

Recombinant proteins are provided as frozen liquid which are shipped with dry ice. Bulk packages can be provided as lyophilized powder which shipped with blue ice.

#### Reconstitution:

According to the application.

#### Description:

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.

#### Sequences:

QCVNLTTRTQLPPAYTNSFTRGVYYPDKVFRSSVLHSTQDLFLPFFSNVTWFHAIHVSGTNGTKRFDNPVLPFNDGVYFAS  
TEKSNIIRGWIFGTTLDSTKQSLIVNNATNVVIVKCEFCNDPFLGVYHKNKSWMESEFRVYSSANNCTFEYVSQPF  
LMDLEGKQGNFKNREFVFKNIDGYFKIYSKHTPINLVRDLPGGSALEPLVDLPIGINITRFQTLALHRSYLTGPDSSSGW  
TAGAAAYVGYLQPRTFLLKYNENGTITDAVDCALDPLSEKTKLSFTVEKGIYQTSNFRVQPTESIVRFPNITNLCPFGEVF  
NATRFASVYAWNRKRISNCVADYSVLYNSASFSTFKCYGVSPTKLNLDLCTNVYADSFVIRGDEVQRQIAPGQTGKIADYNYK  
LPDDFTGCVIAWNSNNLDSKVGNNYLYRFRKSNLKPFRDISTEIQAGSTPCNGVEGFNCFPLQSYGFQPTNGVG  
YQPYRVVLSFELLHAPATVCGPKKSTNLVKNKCVNFNGLTGTGVLTESNKKFLPFQFGRDIADTTDAVRDPQTLEILD  
ITPCSFGGVSVITPGTNTSNQVAVLYQDVNCTEVPVAIHADQLTPTWRVYSTGSNVFQTRAGCLIGAHEVNNNSYECDIPIG  
AGICASYQTQTNSPRRHHHHHHHH.

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