

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

Basic information:

| | | | |
|-------------------------|----------------------------------|----------------|------------------------|
| Catalog No.: | UDP9003-1 | Source: | SARS-CoV-2 (2019-nCoV) |
| Expression Host: | HEK293 Cells | Type: | Recombinant protein |
| Purity: | > 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:

QCVNLTTRTQLPPAYTNSFTRGVVYPDKVFRSSVLHSTQDLFLPFFSNVTWFHAIHVSGTNGTKRFDNPVLPFNDGVYFAS
TEKSNIIIRGWIFGTTLDLSDKTSLLIVNNATNVVIVKCEFCNDPFLGVVYHKNNKSWMESEFRVYSSANNCTFEYVSQPF
LMDLEGKQGNFKNLREFVFKNIDGYFKIYSKHTPINLVRDLPQGFSALEPLVDLPIGINITRFQTLALHRSYLTGPDSSSGW
TAGAAAYYVGYLQPRFTLLKYNENGTITDAVDCALDPLSEKTKLSFTVEKGIYQTSNFRVQPTESIVRFPNITNLCPFGEVF
NATRFASVYAWNRKRISNCVADYSVLYNSASFSTFKCYGVSPTKLNLDLCTNVYADSFVIRGDEVQRQIAPGQTGKIADYNYK
LPDDFTGCVIAWNSNNLDSKVGNNYLYRFLRKSNLKPFERDISTEIQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVG
YQPYRVVLSFELLHAPATVCGPKSTNLVKNKCVNFNGLTGTGVLTESNKKFLPFQQFGRDIADTTDAVRDPQTLEILD
ITPCSFGGVSVITPGTNTSNQVAVLYQDVNCTEVPVAIHADQLTPTWRVYSTGSNVFQTRAGCLIGAHEVNNSYECDIPIG
AGICASYQTQTNSPRRHHHHHHHH.

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