

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

Basic information:

Catalog No.:	UDP9002-2	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 (RBD) was expressed with His-tag in C terminus.

Molecular Mass:

The RBD protein of SARS-CoV-2 (2019-nCoV) Spike Protein (RBD) consists of 222 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. The S protein plays key parts in the induction of neutralizing-antibody and T-cell responses, as well as protective immunity.

Sequences:

RVQPTESIVRFPNITNLCPFGEVFNATRFASVYAWNRKRISNCVADYSVLYNSASFSTFKCYGVSPTKLNDLCFTNVYADSFV
IRGDEVRQIAPGQTGKIADYNYKLPDDFTGCVIAWNSNNLDSKVGNGYNYLYRLFRKSNLKPFFERDISTEIQAGSTPCNG
VEGFNCYFPLQSYGFQPTNGVGYQPYRVVVLSEFLLHAPATVCGPKKSTNHHHHHHHH.

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