SARS-CoV-2 Spike Protein (RBD), His Tag, E. coli

Catalog Number	LDG006PVE
Package	100 μg / Customized package

Publications (1)

For full product information, images and publications, please visit our website.

Specifications

Species of Origin
SARS-CoV-2

Expression System
Escherichia coli

Affinity Tag
His Tag (C-term)

Storage Buffer
Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.

Purity
>98% as determined by SDS-PAGE analysis.

Molecular weight
The protein has a calculated MW of 26.04 kDa.
The protein migrates as 25-35 kDa under reducing condition (SDS-PAGE analysis).

Form
Lyophilized

Background

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Background

Coronaviruses are enveloped positive-sense RNA viruses. Spike protein on the viral envelope and the cognate receptor on the surface of host cells that are essential for entry into host cells upon receptor binding and membrane fusion. Spike proteins are target for neutralization antibody, and mediate membrane fusion and virus entry. Receptor-binding domain (RBD), which is the S protein mediates viral entry into host cells by first binding to a host receptor.

Synonyms

Spike glycoprotein, S glycoprotein, E2, Peplomer protein

Uniprot ID

#P0DTC2

Sequence Note

Arg319-Asn541

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration of 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

Image

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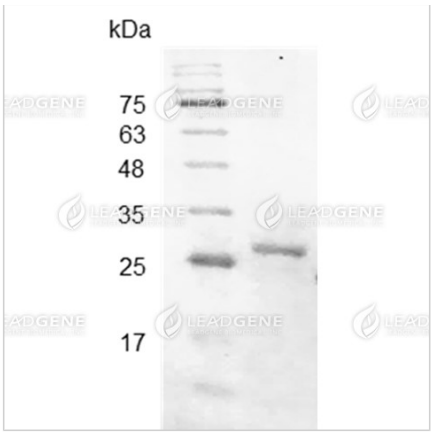

SDS-PAGE analysis of recombinant SARS-CoV-2 spike protein (RBD).

Disclaimer : For Research Use or Further Manufacturing Only.

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