SARS-CoV-2 Spike Protein (S1 Subunit), His Tag, E. coli

Catalog Number	LDG005PVE
Package	100 μg / Customized package

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

Publications (2)

Specifications

Species of Origin

SARS-CoV-2

Expression system

Escherichia coli

Affinity Tag

His Tag (C-term)

Buffer

Lyophilized from a 0.2 μm filtered solution of PBS, pH 8.0.

Purity

>98% as determined by SDS-PAGE analysis.

Molecular weight

The protein has a calculated MW of 74.34 kDa. The protein migrates as 63-75 kDa under reducing condition (SDS-PAGE analysis).

Form

Lyophilized

Background

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Background

SARS-CoV-2 is a kind of coronavirus which full name is severe acute respiratory syndrome coronavirus 2. SARS-CoV-2 is contagious that causes the respiratory diseases and lung diseases which make difficulty breathing. SARS-CoV-2 do the spillover event in 2019 because it has genetic diversity. SARS-CoV-2 is composed by four subunits (spike, envelope, membrane and nucleocapsid proteins). Its RNA genome is encapsulated with nucleocapsid protein. The viral envelope is comprised of spike, envelope and membrane protein. SARS-CoV-2 has high affinity to ACE2, which is highly expression in intestines, kidney, and heart.

Synonyms

Spike glycoprotein, S glycoprotein, E2, Peplomer protein

Uniprot ID

#P0DTC2

Sequence Note

Val16-Cys671

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration not less than 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.

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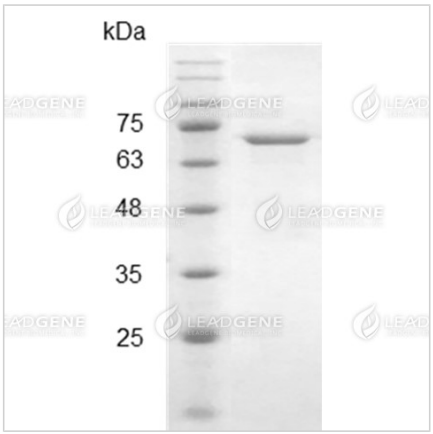
Stability & Storage

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



SDS-PAGE analysis of recombinant SARS-CoV-2 spike protein (S1 subunit).

Disclaimer : For Research Use or Further Manufacturing Only.

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