SARS-CoV-2 Trimeric Spike Protein, His Tag, HEK293

Catalog Number	LDG010PHM
Package	100 μg / 1 mg / Customized package

Publications (3)

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

Specifications

Species of Origin
SARS-CoV-2

Expression system
HEK293

Affinity Tag
His Tag (C-term)

Concentration
Please refer to the product label.

Buffer
Liquid. Phosphate buffered saline, pH 7.4.

Purity
>95% as determined by SDS-PAGE analysis.

Molecular weight
The protein has a calculated MW of 137.94 kDa.
The protein migrates above 180 kDa under reducing condition (SDS-PAGE analysis).

Form
Liquid

Background

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Background

Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), is a 2019 novel coronavirus, that causes pandemic disease globally. SARS-CoV-2 is a single-stranded RNA virus that belongs to the Coronaviridae family. Structurally, the virus harbors sixteen non-structural proteins (NSP1-NSP16), four structural proteins (spike, membrane, envelope, and nucleocapsid), and nine accessory proteins. The spike protein is a 1273-amino-acids transmembrane, homotrimeric class I fusion protein that contains two functional subunits, receptor-binding subunit S1 (amino acids 14-685) and membrane-fusion subunit S2 (amino acids 686-1273). The trimeric spike protein on the surface of the virion is responsible for initiating viral infection through binding to the angiotensin-converting enzyme 2 (ACE2) receptor on host cells.

Synonyms

Spike glycoprotein, E2, Peplomer protein, S glycoprotein

Uniprot ID

P0DTC2

Sequence Note

Ser13-Pro1213

Instruction

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -80°C or lower for long term storage.

Stability & Storage

This product is stable after storage at:

- -80°C for long-term storage under sterile conditions.

Avoid repeated free-thaw cycles.

Image

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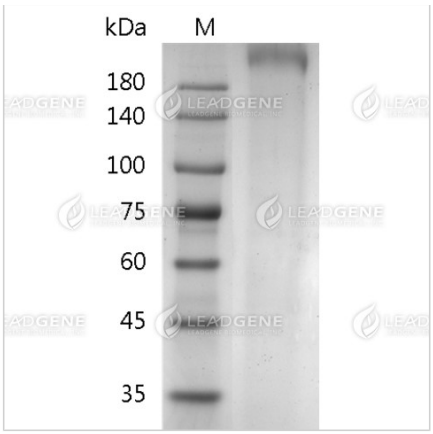

SDS-PAGE analysis of recombinant SARS-CoV-2 trimeric spike protein.

Disclaimer : For Research Use or Further Manufacturing Only.

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