

# CHAMOT

**新冠病毒蛋白 / SARS-CoV-2 Trimeric Spike Protein,  
His Tag, HEK293**

CM013-100PCoV



CHAMOT

乔默®生物

*Specialize In Cytokines*



# CONTENT

1 产品简介

2 产品使用

3 产品储存/运输

## 新冠病毒蛋白 / SARS-CoV-2 Trimeric Spike Protein, His Tag, HEK293

|      |               |
|------|---------------|
| 产品编号 | CM013-100PCoV |
| 规格   | 100 µg        |

### 产品简介

#### 背景描述

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.

#### 别称

Spike glycoprotein, E2, Peplomer protein, S glycoprotein

#### 蛋白编码

P0DTC2

#### 分子量

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

#### 表达系统

HEK293 cell

#### 纯度

>95% as determined by SDS-PAGE analysis.

#### 蛋白序列

Ser13-Pro1213

#### 产品形式

Liquid. Phosphate buffered saline, pH 7.4.

### 产品使用

Centrifuge at 3000 rpm for 5 mins before opening. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

## 产品储存/运输

### 储存

Store at 2°C to 8°C for up to 2 weeks, -80°C for 6 months. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -80°C for 6 months. Avoid repeated freeze/thaw cycles.

### 运输

Blue Ice

For Research Use or Further Manufacturing Only

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