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## Product Data Sheet

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Product Name: CoV-2 S1 (16-685), Fc  
 Cat. No.: GP26400  
 Batch No.: 1

### Product Data

Purity	>98%	Source	HEK293 Cells.
Physical Appearance	solid	Shipping Condition	atRoomtemp.
Formulation	CoV-2 S1protein is supplied insodium chloride, glycine, argininepH-7.5 & 5% trehalose.		

### Introduction

A human infecting coronavirus (viral pneumonia) called 2019 novel coronavirus, 2019-nCoV was found in the fish market at the city of Wuhan, Hubei province of China on December 2019. The 2019-nCoV shares an 87% identity to the 2 bat-derived severe acute respiratory syndrome 2018 SARS-CoV-2 located in Zhoushan of eastern China. 2019-nCoV has an analogous receptor-BD-structure to that of 2018 SARS-CoV, even though there is a.a. diversity so thus the 2019-nCoV might bind to ACE2 receptor protein (angiotensin-converting enzyme 2) in humans. While bats are possibly the host of 2019-nCoV, researchers suspect that animal from the ocean sold at the seafood market was an intermediate host. RSCU analysis proposes that the 2019-nCoV is a recombinant within the viral spike glycoprotein between the bat coronavirus and an unknown coronavirus.

### Stability

Lyophilized Cov-2 Spike S1 Glycoprotein although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CoV2 Spike protein should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

### Background

The HEK293 derived recombinant protein contains the Coronavirus 2019 CoV-2 Spike Glycoprotein S1, Wuhan-Hu-1 strain, amino acids 16-685 fused to Fc tag at C-terminal.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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