

## Recombinant 2019 nCoV Spike S2 Protein

Catalog Number: SYN-C1010

### GENERAL INFORMATION

<b>Source:</b>	Recombinant 2019 nCoV Spike S2 Protein is expressed from a mammalian cell with Fc tag and Avi Tag at the C-terminal. It contains Ser 686 - Pro1213.
<b>Accession:</b>	QHD43416.1

### QC TESTING

<b>Molecular Weight:</b>	The protein has a predicted MW of 85.6 kDa. Due to glycosylation, the protein migrates to 90-115 KDa based on Bis-Tris PAGE result.
<b>Purity:</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC
<b>Endotoxin:</b>	Less than 1 EU per ug by the LAL method.

### FORMULATION AND STORAGE

<b>Formulation:</b>	Lyophilized from 0.22um filtered solution in 20mM PB (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
<b>Storage:</b>	The product should be stored at -70°C or -20°C.

### BACKGROUND

<b>Background:</b>	The spike protein (S) of coronavirus (CoV) attaches the virus to its cellular receptor, angiotensin-converting enzyme 2 (ACE2). A defined receptor-binding domain (RBD) on S mediates this interaction. The S protein plays key parts in the induction of neutralizing-antibody and T-cell responses, as well as protective immunity.
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