Recombinant SARS-COV-2 Spike S1 Protein, C-His

Cat. No. **bs-47019P**

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Description

Protein Sequence	2019-nCoV Spike S1 is expressed with a His tag at the C-terminal (Gln14-Arg683).
Source	HEK293 Cells
Accession	QHD43416.1
Mol wt	The protein has a predicted MW of 76.1 kDa. Due to glycosylation, the protein migrates to 115-140 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per ug by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE >95%as determined by HPLC
Activity assay	Not tested.

Formulation and Storage

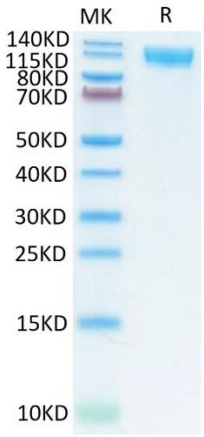
Formulation	Lyophilized powder (Lyophilized from 0.22um filtered solution in 20mM PB (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.)
Storage	The product should be stored at -70℃ or -20℃.

Background

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.

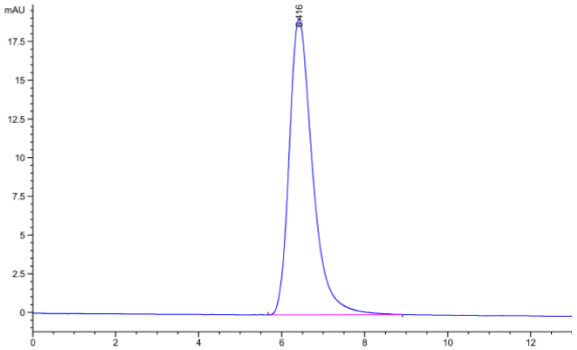
Assay Data

Tris-Bis PAGE



Recombinant 2019-nCoV Spike S1 protein on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

HPLC Data



The purity of 2019-nCoV Spike S1 is greater than 95% as determined by SEC-HPLC.