

# Recombinant SARS-CoV Spike protein, His-Avi-tagged, Biotinylated

**Cat. No.** Spike-596VB    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Biotinylated SARS spike S1 protein is expressed from mammalian with a His tag and Avi at the C-terminal. It contains Ser14-Arg667.                                                                                                                                                                                                    |
| <b>Species</b>          | SARS-CoV                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | Ser14-Arg667                                                                                                                                                                                                                                                                                                                          |
| <b>Description</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. |
| <b>Form</b>             | Supplied as 0.22um filtered solution in PBS (pH 7.4).                                                                                                                                                                                                                                                                                 |
| <b>Molecular Mass</b>   | The protein has a predicted MW of 75.9 kDa. Due to glycosylation, the protein migrates to 120-140KDa based on Bis-Tris PAGE result.                                                                                                                                                                                                   |
| <b>Endotoxin</b>        | Less than 1EU per ug by the LAL method.                                                                                                                                                                                                                                                                                               |
| <b>Purity</b>           | > 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC                                                                                                                                                                                                                                                                     |
| <b>Storage</b>          | The product should be stored at -70°C. Please do not repeated freeze-thaw cycles.                                                                                                                                                                                                                                                     |

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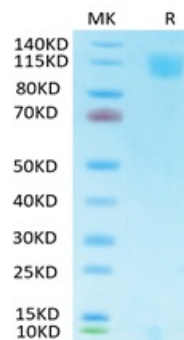
 45-1 Ramsey Road, Shirley, NY 11967, USA

**Conjugation** Biotin

## GENE INFORMATION

|                        |                                               |
|------------------------|-----------------------------------------------|
| <b>Gene Name</b>       | S                                             |
| <b>Official Symbol</b> | S                                             |
| <b>Synonyms</b>        | S protein, Spike glycoprotein, S glycoprotein |
| <b>Gene ID</b>         | 1489668                                       |
| <b>Protein Refseq</b>  | YP_009825051.1                                |
| <b>UniProt ID</b>      | P59594                                        |

**Tris-Bis PAGE of  
Spike-596VB**

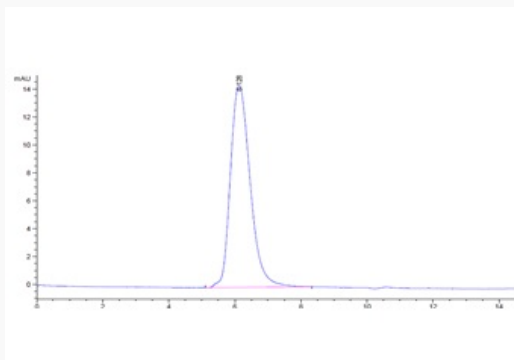


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**SEC-HPLC of Spike-  
596VB**



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