

## Recombinant COVID-19 Spike RBD (N354D) protein(Arg319-Phe541), His-tagged, Biotinylated

**Cat. No.** Spike-1261V    **Lot. No.** (See product label)

### SPECIFICATION

|                          |                                                                                                                                                                                                                                  |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>  | Recombinant COVID-19 Spike Protein (RBD) (YP_009724390.1(N354D)) (Arg319-Phe541) was expressed in HEK293 with a polyhistidine tag at the C-terminus. The purified protein was biotinylated in vitro.                             |
| <b>Species</b>           | Sars-CoV-2                                                                                                                                                                                                                       |
| <b>Source</b>            | HEK293                                                                                                                                                                                                                           |
| <b>ProteinLength</b>     | Arg319-Phe541                                                                                                                                                                                                                    |
| <b>Conjugation/Label</b> | Biotin                                                                                                                                                                                                                           |
| <b>Form</b>              | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                                                                   |
| <b>Molecular Mass</b>    | The recombinant SARS-CoV-2 Spike RBD consists of 234 amino acids and predicts a molecular mass of 26.55 kDa. As a result of glycosylation, it migrates as an approximately 34.86 kDa band in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>         | < 1.0 EU per µg protein as determined by the LAL method.                                                                                                                                                                         |
| <b>Purity</b>            | > 95 % as determined by SDS-PAGE.                                                                                                                                                                                                |
| <b>Storage</b>           | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.                                                                                                                                               |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**Conjugation**

Biotin

## GENE INFORMATION

**Gene Name**

S surface glycoprotein [ Severe acute respiratory syndrome coronavirus 2 ]

**Official Symbol**

[Spike](#)

**Synonyms**

Spike; S1 protein; Spike glycoprotein Subunit1; S glycoprotein Subunit1; Spike protein S1

**Gene ID**

[43740568](#)

**Protein Refseq**

[YP\\_009724390.1](#)

**UniProt ID**

[P0DTC2](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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