

Recombinant 2019-nCoV (2019 novel coronavirus) Spike protein RBD, His/Avi-tagged

Cat. No. Spike-199V **Lot. No.** (See product label)

SPECIFICATION

| | |
|-------------------------|---|
| Product Overview | Recombinant 2019-nCoV (2019 novel coronavirus) Spike protein RBD (Arg319-Asn532) was expressed from mammalian with a His tag and Avi at the C-terminal. |
| Species | Sars-Cov-2 |
| Source | Mammalian Cells |
| ProteinLength | 214 |
| Description | 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. |
| Form | Supplied as 0.22µm filtered solution in PBS (pH 7.4). |
| Molecular Mass | The protein has a predicted MW of 27 kDa. Due to glycosylation, the protein migrates to 36-40 kDa based on Bis-Tris PAGE result. |
| Endotoxin | Less than 1 EU per ug by the LAL method. |
| Purity | >95% as determined by Bis-Tris PAGE; >95% as determined by HPLC. |
| Storage | The product should be stored at -70 centigrade. Please do not repeated freeze-thaw |

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 mg/ml. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

Warning

For Research Use Only.

GENE INFORMATION**Synonyms**

BHT41_gp02

**Tris-Bis PAGE of
Spike-199V**

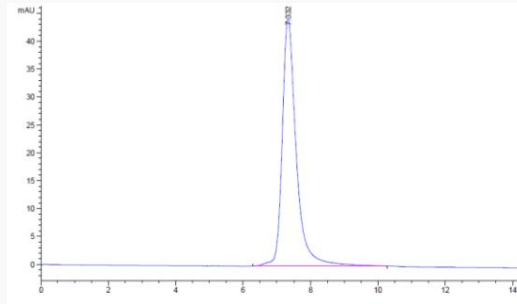
Recombinant 2019-nCoV S protein RBD on Tris-Bis PAGE under reduced condition.
The purity is greater than 95%.

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

**HPLC Data of Spike-
199V**



The purity of 2019-nCoV S protein RBD is greater than 95% as determined by SEC-HPLC.

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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