

## SARS-CoV-2 S-RBD/HIS Tag Recombinant Protein | SARS-CoV-2 recombinant protein

Purified Recombinant SARS-CoV-2 S-RBD/HIS Tag Protein [HEK293 Expressed]

|                               |                       |                              |
|-------------------------------|-----------------------|------------------------------|
| CATALOG #<br><b>AAA214170</b> | HOST<br><b>HEK293</b> | APPLICATIONS<br><b>ELISA</b> |
|-------------------------------|-----------------------|------------------------------|

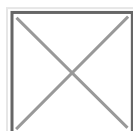
### PRODUCT SYNONYMS

SARS-CoV-2 S-RBD/HIS Tag; Purified Recombinant SARS-CoV-2 S-RBD/HIS Tag Protein [HEK293 Expressed]; SARS-CoV-2 S-RBD(319-541)/HIS; Spike glycoprotein; surface glycoprotein; SARS-CoV-2 recombinant protein

### PRODUCT SPECIFICATIONS

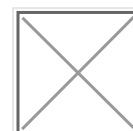
|                                                            |                                                                                    |
|------------------------------------------------------------|------------------------------------------------------------------------------------|
| Host                                                       | HEK293                                                                             |
| Form/Format                                                | Liquid. Phosphate Buffered Saline (PBS) containing 0.09% Sodium Azide              |
| Concentration                                              | 1000ug/ml (varies by lot)                                                          |
| Applicable Applications for SARS-CoV-2 recombinant protein | ELISA                                                                              |
| Conjugation                                                | Unconjugated                                                                       |
| Preparation and Storage                                    | Store at -20 degree C to -80 degree C<br>Shelf Life: 3 months from date of receipt |

### IMAGES



#### SDS-PAGE

Analysis of recombinant SARS-CoV-2 S-RBD/ HIS tag Protein by SDS-PAGE and Coomassie staining. Sample: 2 ug/lane of Recombinant SARS-CoV-2 S-RBD/ HIS tag Protein (HEK293 Expressed) (AAA214170 lot 1). Detection: Resolved on a 4-12% gradient gel under reducing (R) and non-reducing (NR) conditions and visualized by Coomassie Blue staining.



#### ELISA

Analysis of recombinant SARS-CoV-2 S-RBD/ HIS tag Protein by ELISA. Sample: Plate coated with SARS-CoV-2 S-RBD/HIS Tag (AAA214170 lot 1) at 2 ug/ml. ACE2/Rb Fc Chimera Protein 5-fold dilution series added beginning at 10,000 ng/ml. Detection: used at 1:25K dilution.

### ADDITIONAL INFORMATION

|                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for SARS-CoV-2 recombinant protein | The structural proteins of SARS-CoV-2 include the envelope protein (E), spike or surface glycoprotein (S), membrane protein (M) and the nucleocapsid protein (N). The spike glycoprotein is found on the outside of the virus particle and mediates attachment of the virus particle and entry into the host cell through an interaction with the viral receptor binding domain (RBD) and ACE2. The spike protein is an important target for vaccine development, antibody therapies and test antigen-based tests. (NCBI) |
| Product Categories/Family for SARS-CoV-2 recombinant protein   | Immunoglobulins                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

### NCBI AND UNIPROT INFORMATION

|                     |          |
|---------------------|----------|
| UniProt Accession # | P0DTC2   |
| Molecular Weight    | 51.5 kDa |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/sars-cov-2-s-rbd/his-tag-recombinant-protein-hek293-elisa/214170>