

# Product Data Sheet

## Recombinant COVID-19 S Protein RBD (S435)

| Catalog #                 | Source   | Reactivity | Applications        |
|---------------------------|--|------------|---------------------|
| CRP3121                   | Human cells  | COVID-19   | E, WB, SDS-PAGE, MS |
| <b>Description</b>        | Recombinant COVID-19 S Protein RBD is produced by mammalian expression system and the target gene encoding Arg319-Phe541 is expressed with a mutation site at S435 and a 6His tag at the C-terminus. |            |                     |
| <b>Form</b>               | Liquid in a 0.2 µm filtered solution of PBS, pH 7.4.   |            |                     |
| <b>Gene Symbol</b>        |  |            |                     |
| <b>Alternative Names</b>  | S1 protein; 2019-nCoV S1 protein; coronavirus S1 Protein; cov S1 Protein   |            |                     |
| <b>Entrez Gene</b>        | QHD43416.1   |            |                     |
| <b>SwissProt</b>          |  |            |                     |
| <b>Purity</b>             | Greater than 95% as determined by reducing SDS-PAGE.   |            |                     |
| <b>Chemical Structure</b> |  |            |                     |
| <b>Quality Control</b>    |  |            |                     |
| <b>Directions for Use</b> | Please minimize freeze-thaw cycles.  |            |                     |
| <b>Storage/Stability</b>  | Store it at -20°C to -80°C for one year. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.   |            |                     |

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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