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## Product Datasheet

### **Recombinant SARS-CoV-2 S1 Subunit Protein (RBD), mutant Y453F, Biotinylated RAY-230-30185B-100**

|                            |                                                                                                                                                                                                                                                                |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | Recombinant SARS-CoV-2 S1 Subunit Protein (RBD), mutant Y453F, Biotinylated                                                                                                                                                                                    |
| Biozol Catalog Number      | RAY-230-30185B-100                                                                                                                                                                                                                                             |
| Supplier Catalog Number    | 230-30185B-100                                                                                                                                                                                                                                                 |
| Alternative Catalog Number | RAY-230-30185B-100                                                                                                                                                                                                                                             |
| Manufacturer               | RayBiotech                                                                                                                                                                                                                                                     |
| Category                   | Proteine/Peptide                                                                                                                                                                                                                                               |
| Species Reactivity         | Virus                                                                                                                                                                                                                                                          |
| Conjugation                | Biotin                                                                                                                                                                                                                                                         |
| Product Description        | Biotin-conjugated recombinant SARS-CoV-2 S1 Subunit Protein (RBD) mutant Y453F with C-terminal His-tag, derived from the transfected human HEK293 cells....                                                                                                    |
| Concentration              | Lot specific (see the label on the vial), determined by BCA protein assay                                                                                                                                                                                      |
| Molecular Weight           | Recombinant protein product has a calculated molecular mass of 25 kDa. Due to the abundant glycosylation, it migrates as approximately 30 kDa protein band in SDS-PAGE under DTT, beta-mercaptoethanol reducing conditions. After deglycosylation under native |
| Tag                        | His                                                                                                                                                                                                                                                            |
| Expression System          | HEK293 cells                                                                                                                                                                                                                                                   |

|          |                                                                              |
|----------|------------------------------------------------------------------------------|
| Purity   | SDS-PAGE under reducing conditions and visualized by Coomassie blue staining |
| Form     | Liquid                                                                       |
| Sequence | Arg319-Phe541. Amino acid Tyr (Y453) was mutated to Phe (F453).              |
| Formula  | Supplied as a 0.2 µm filtered solution in PBS (pH 7.4)                       |