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## Product Datasheet

### **Recombinant Human Novel Coronavirus Spike glycoprotein(S) (N501Y),partial (Active) BYT-ORB1096692**

|                            |  |
|----------------------------|--|
| Article Name               | Recombinant Human Novel Coronavirus Spike glycoprotein(S)<br>(N501Y),partial (Active)  |
| Biozol Catalog Number      | BYT-ORB1096692   |
| Supplier Catalog Number    | orb1096692   |
| Alternative Catalog Number | BYT-ORB1096692-20,BYT-ORB1096692-100,BYT-ORB1096692-1  |
| Manufacturer               | Biorbyt  |
| Category                   | Proteine/Peptide   |
| Product Description        | This Recombinant Human Novel Coronavirus Spike glycoprotein(S)<br>(N501Y),partial (Active) spans the amino acid sequence from region<br>319-541aa(N501Y). Purity: Greater than 90% as determined by SDS-<br>PAGE.... |
| Molecular Weight           | 27.9 kDa   |
| UniProt                    | <a href="#">P0DTC2</a>   |
| Buffer                     | Lyophilized from a 0.2 µm filtered 20 mM Tris-HCl, 0.5 M NaCl, 6%<br>Trehalose, pH 8.0   |
| Source                     | Severe acute respiratory syndrome coronavirus 2 (2019-nCoV) (SARS-<br>CoV-2)   |
| Purity                     | Greater than 90% as determined by SDS-PAGE.  |
| Form                       | Lyophilized powder   |

|                   |  |
|-------------------|--|
| Sequence          | RVQPTESIVRFPNITNLCPFGEVFNATRFASVYAWNRRKRISNCVADYSVLYNSA<br>SFSTFKCYGVSPTKLNLCFTNVYADSFVIRGDEVQRQIAPGQTGKIADYNYKLP<br>DDFTGCVIAWNSNNLDSKVGGNYNYLYRLFRKSNLKPFERDISTEIYQAGSTP<br>CNGVEGFNCYFPLQSYGFQPTYGVGYQPYRVVVLSEFELLHAPATVCGPKKSTN<br>LVKNKCVNF  |
| Application Notes | <p>Biological Origin: Severe acute respiratory syndrome coronavirus 2 (2019-nCoV) (SARS-CoV-2). Biological Activity: Measured by its binding ability in a functional ELISA. Immobilized SARS-CoV-2-S1-RBD (N501Y) at 2 µg/ml can bind human ACE2, the EC50 is 12.95-17.87 ng/ml. Application Notes: We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference</p> |