

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

Product Datasheet

Human 2019-nCoV-S protein BYT-ORB638762

| | |
|----------------------------|--|
| Article Name | Human 2019-nCoV-S protein |
| Biozol Catalog Number | BYT-ORB638762 |
| Supplier Catalog Number | orb638762 |
| Alternative Catalog Number | BYT-ORB638762-20,BYT-ORB638762-100,BYT-ORB638762-1 |
| Manufacturer | Biorbyt |
| Category | Proteine/Peptide |
| Product Description | This Human 2019-nCoV-S protein spans the amino acid sequence from region 16-685aa. Purity: Greater than 85% as determined by SDS-PAGE.... |
| Molecular Weight | 79.6 kDa |
| UniProt | P0DTC2 |
| Buffer | Lyophilized from a 0.2 µm filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0 |
| Source | Severe acute respiratory syndrome coronavirus 2 (2019-nCoV) (SARS-CoV-2) |
| Purity | Greater than 85% as determined by SDS-PAGE. |
| Form | Lyophilized powder |
| Sequence | VNLTRTRQLPPAYTNSFTRGVYYPDKVFRSSVLHSTQDLFLPFFSNVTWFHAIH VSGTNGTKRFDNPVLPFNDGVYFASTKSNIIIRGWIFGTTLDLSDKQSLIVNNA TNVVIKVFCEFCNDPFLGVYHKNKSWMESEFRVYSSANNCTFEYVSQPFL MDLEGKQGNFKNLREFVFKNIDGYFKIYSKHTPINLVRDLPGQFSALEPLVDLPI GINITRFQTLALHRSYLTPGDSSSGWTAGAAAYVGYL |

Application Notes

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-S at 2 µg/ml can bind human ACE2, the EC50 of SARS-CoV-2-S protein is 56.64 - 103.6 ng/ml. ② Measured by its binding ability in a functional ELISA. Immobilized SARS-CoV-2-S at 2 µg/ml can bind SARS-CoV-2-S Antibody, the EC50 of SARS-CoV-2-S protein is 36.79-48.87 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