

## Product Datasheet

# SARS-CoV-2 Trimeric Spike South Africa VOC 501.V2 (beta) (orb1108519)

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| <b>Description</b>     | SARS-CoV-2 Trimeric Spike South Africa VOC 501.V2 (beta)                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Preservatives</b>   | PBS pH 7.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Storage</b>         | Store at -70°C upon receipt.<br>Recommended to aliquot into smaller quantities. Avoid repeated freeze-thaw cycles. Shipping on dry ice.                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Note</b>            | For research use only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>          | CHO-based cell line (expressed by QMCF Technology)                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>MW</b>              | 409.7 kDa; Protein contains amino acids 14-1211 and following mutations: L18F, D80A, D215G, LAL 242-244 del, R246I, K417N, E484K, N501Y, D614G, A701V. Plus two extra amino acids (AS) in N-terminus, trimerization domain and His-6 tag at C-terminus, GS linker between protein and trimerization domain and GSG linker between trimerization domain and His-tag. Furin cleavage (RRAR) site between Spike S1 and S2 is mutated (GSAS). Also, two stabilizing prolines (PP) have been added to the S2 domain. |
| <b>Uniprot ID</b>      | <b>P0DTC2</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Expiration Date</b> | 6 months from date of receipt.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |