

## Product Datasheet

# SARS-CoV-2 Trimeric Spike UK VOC 202012/01 (alpha) (orb1108518)

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| <b>Description</b>     | SARS-CoV-2 Trimeric Spike UK VOC 202012/01 (alpha)                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <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>              | 410 kDa; Protein contains amino acids 14-1211 and following mutations: HV 69-70 del, Y144 del, N501Y, A570D, D614G, P681H, T716I, S982A, D1118H. 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |