

## Product datasheet for **TP724343**

### SARS-CoV-2 (Omicron BA.5) S protein RBD, hFc Tag

#### Product data:

|                               |  |
|-------------------------------|--|
| <b>Product Type:</b>          | Recombinant Proteins   |
| <b>Description:</b>           | SARS-CoV-2 (Omicron BA.5) S protein RBD, hFc Tag   |
| <b>Expression Host:</b>       | HEK293   |
| <b>Tag:</b>                   | C-Human Fc   |
| <b>Predicted MW:</b>          | The protein has a predicted molecular mass of 51.4 kDa after removal of the signal peptide. The apparent molecular mass of S-RBD(Omicron BA.5)-hFc is approximately 55-70 kDa due to glycosylation.  |
| <b>Purity:</b>                | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.   |
| <b>Reconstitution Method:</b> | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.   |
| <b>Storage:</b>               | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.  |
| <b>Stability:</b>             | 12 months from date of despatch  |
| <b>Summary:</b>               | SARS-CoV-2 (Severe Acute Respiratory Syndrome Coronavirus 2) also known as Covid19 (2019 Novel Coronavirus) is a virus that causes illnesses ranging from the common cold to severe diseases. The spike protein is a type I transmembrane protein containing two subunits, S1 and S2. S1 mainly contains a receptor binding domain (RBD), which accounts for recognizing the cell surface receptor, ACE2. S2 contains basic elements needed for the membrane fusion. Recent publications indicate that S1-RBD domain can induce virus neutralizing-antibody and T cell response. |



[View online »](#)