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Product datasheet for TP724021

S Protein SARS-CoV-2 Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	SARS-CoV-2 (2019-nCoV) S1 protein NTD, His Tag
Species:	SARS-CoV-2
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	S1 protein NTD□Ser13-Leu303□+6×His tag
Tag:	C- 6×His
Predicted MW:	33.7 kDa
Purity:	> 95%
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose is added as protectants before lyophilization
Reconstitution Method:	Reconstitute with deionized water
Preparation:	Affinity purification
Storage:	Store the lyophilized protein at -20°C. After reconstitution, store the protein at -80°C for 12 months. Avoid repeated freezing and thawing.
Stability:	12 months from date of despatch
Locus ID:	43740568
Summary:	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.

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Product images:

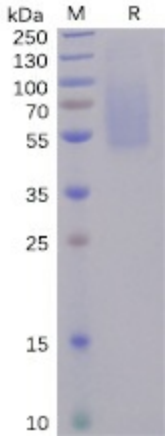

Figure 1. SARS-CoV-2 (2019-nCoV) S1 protein NTD, His Tag on SDS-PAGE under reducing condition.

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