

Recombinant SARS-COV-2 Spike S1(Delta B.617.2)Protein, His Tag

产品信息

产品名称	产品编号	规格
Recombinant SARS-COV-2 Spike S1(Delta B.617.2)Protein, His Tag	94042ES60	100 µg
	94042ES76	500 µg
	94042ES80	1 mg

产品简介

Coronaviruses are commonly comprised of four structural proteins: Spike protein (S), Envelope protein (E), Membrane protein (M) and Nucleocapsid protein (N) . The SARS-CoV-2 S protein is a glycoprotein that mediates membrane fusion and viral entry. The S protein is homotrimeric, with each ~180-kDa monomer consisting of two subunits, S1 and S2 . The RBD of SARS-CoV-2 binds a metalloproteinase, angiotensin-converting enzyme 2 (ACE-2). First detected in India in December 2020, the B.1.617.2, or Delta variant, is considered a Variant of Concern (VOC) .

产品信息

别名	S1 protein; Spike protein S1; Spike,S1 protein; S glycoprotein Subunit1
Accession	QHD43416.1
表达区间及表达系统	Recombinant SARS-CoV-2 Spike S1 (Delta B.1.617.2) Protein is expressed from Expi293 with His tag at the C-terminal. It contains Gln14-Arg683(T19R, G142D, E156G, HR157-158 del, L452R, T478K, D614G, P681R).
分子量	Approximately 75.92 kDa. Due to glycosylation, the protein migrates to 90-120 kDa based on Tris-Bis PAGE result.
纯度	> 95% as determined by Tris-Bis PAGE and HPLC.
活性	ELISA Data: Immobilized SARS-CoV-2 Spike S1 (Delta B.1.617.2) , His Tag at 0.5µg/ml (100 µ l/Well) on the plate. Dose response curve for Human ACE2, hFc Tag with the EC50 of 21.8ng/ml determined by ELISA.
内毒素	< 1.0 EU per 1µg of the protein by the LAL method.
制剂	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
复溶	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

储存条件

The product should be stored at -25~-15°C for 1 year.

1 month, 2~8 °C under sterile conditions after reconstitution.

3 months, -25~-15°C °C under sterile conditions after reconstitution.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

注意事项

1. Please operate with lab coats and disposable gloves, for your safety.

2. This product is for research use only.