

## Recombinant SARS-COV-2 Spike RBD(Delta B.1.617.2) Protein,

### His Tag

#### 产品信息

产品名称	产品编号	规格
Recombinant SARS-COV-2 Spike RBD(Delta B.1.617.2) Protein, His Tag	94041ES25	25 µg
	94041ES60	100 µg
	94041ES76	500 µg
	94041ES80	1 mg

#### 产品描述

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) as it contains several mutations in the RBD domain that potentially affect viral fitness and transmissibility: L452R and T478K.

#### 产品性质

别名	S protein RBD; S glycoprotein RBD; Spike protein RBD
Accession	QHD43416.1
表达区间及表达系统	Recombinant SARS-COV-2 Spike RBD (Delta B.1.617.2) Protein is expressed from Expi293 with His tag at the C-terminal. It contains Arg319-Phe541(L452R, T478K).
分子量	Approximately 26.26 kDa. Due to glycosylation, the protein migrates to 35-40 kDa based on Tris-Bis PAGE result.
纯度	> 95% as determined by SDS-PAGE and HPLC.
活性	<b>ELISA Data:</b> Immobilized SARS-CoV-2 Spike RBD (Delta B.1.617.2), His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Human ACE2, hFc Tag with the EC50 of 9.8ng/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).
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.

## 运输与保存方法

冰袋运输。-20 °C 保存，一年有效期。

复溶后，-20 °C，在未开封状态下保存 3-6 个月。复溶后，2-8° C 保存 2-7 天。

建议第一次使用时分装冻存，避免反复冻融。

## 注意事项

1. 避免反复冻融。
2. 为了您的安全和健康，请穿实验服并戴一次性手套操作。
3. 本产品仅作科研用途！