

Recombinant SARS-COV-2 Spike RBD(Omicron XBB) Protein, His Tag

产品信息

产品名称	产品编号	规格
Recombinant SARS-COV-2 Spike RBD(Omicron XBB) Protein, His Tag	94045ES60	100 µg
	94045ES76	500 µg
	94045ES80	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).

产品信息

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 (Omicron XBB) Protein is expressed from Expi293 with His tag at the C-terminal. It contains Arg319-Phe541(G339H, R346T, L368I, S371F, S373P, S375F, T376A, D405N, R408S, K417N, N440K, V445P, G446S, N460K, S477N, T478K, E484A, F486S, F490S, Q498R, N501Y, Y505H).
分子量	Approximately 26.21 kDa. Due to glycosylation, the protein migrates to 35-45 kDa based on Tris-Bis PAGE result.
纯度	> 95% as determined by SDS-PAGE and HPLC.
活性	ELISA Data: Immobilized SARS-CoV-2 Spike RBD (Omicron XBB) at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Human ACE2, hFc Tag with the EC50 of 27.0ng/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.

储存条件

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

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.