

Recombinant SARS-COV-2 Spike RBD (Omicron BA.2.75) protein, His-tagged

Cat. No. Spike-1604V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant SARS-COV-2 Spike RBD (Omicron BA.2.75) protein(QHD43416.1)(Arg319-Phe541(G339H, S371F, S373P, S375F, T376A, D405N, R408S, K417N, N440K, G446S, N460K, S477N, T478K, E484A, Q498R, N501Y, Y505H)), fused with C-terminal His tag, was expressed in HEK293.
Species	SARS-COV-2
Source	HEK293
ProteinLength	Arg319-Phe541(G339H, S371F, S373P, S375F, T376A, D405N, R408S, K417N, N440K, G446S, N460K, S477N, T478K, E484A, Q498R, N501Y, Y505H)
Form	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
Bio-activity	Immobilized SARS-COV-2 Spike RBD (Omicron BA.2.75), His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Human ACE2, hFc Tag with the EC50 of 7.0ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 26.12 kDa. Due to glycosylation, the protein migrates to 35-43 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC

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Storage

Valid for 12 months from date of receipt when stored at -80°C.;Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION**Gene Name**

S surface glycoprotein [Severe acute respiratory syndrome coronavirus 2]

Official Symbol

S

Synonyms

Spike; S1 protein; Spike glycoprotein Subunit1; S glycoprotein Subunit1; Spike protein S1

Gene ID

43740568

Protein Refseq

YP_009724390

UniProt ID

P0DTC2

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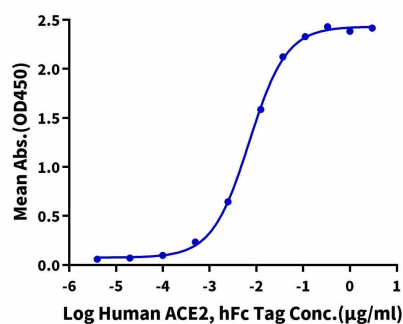
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Tris-Bis PAGE



ELISA

SARS-COV-2 Spike RBD (Omicron BA.2.75), His Tag ELISA
0.05µg SARS-COV-2 Spike RBD (Omicron BA.2.75), His Tag Per Well



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