

Recombinant SARS-COV-2 Spike RBD (Omicron BA.2.74) protein, His-tagged

Cat. No. Spike-1598V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant SARS-COV-2 Spike RBD (Omicron BA.2.74) protein(QHD43416.1)(Arg319-Phe541(T19I, del24-26, A27S, G142D, V213G, G339D, R346T, S371F, S373P, S375F, T376A, D405N, R408S, K417N, N440K, L452M, S477N, T478K, E484A, Q493R, Q498R, N501Y, Y505H)), fused with C-terminal His tag, was expressed in HEK293.
Species	SARS-COV-2
Source	HEK293
ProteinLength	Arg319-Phe541(T19I, del24-26, A27S, G142D, V213G, G339D, R346T, S371F, S373P, S375F, T376A, D405N, R408S, K417N, N440K, L452M, S477N, T478K, E484A, Q493R, 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.2.74), His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Human ACE2, hFc Tag with the EC50 of 5.3ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 26.04 kDa. Due to glycosylation, the protein migrates to 35-42 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per

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	µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC
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

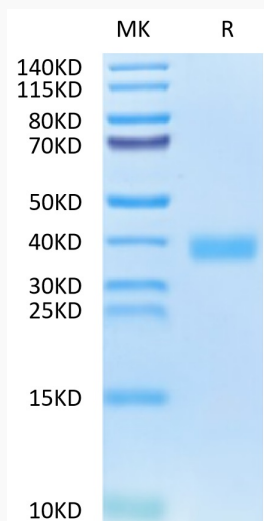
Gene Name	S surface glycoprotein [Severe acute respiratory syndrome coronavirus 2]
Official Symbol	S
Synonyms	Spike; S1 protein; Spike glycoprotein Subunit1; S glycoprotein Subunit1; Spike protein S1
Gene ID	43740568
Protein Refseq	YP_009724390
UniProt ID	P0DTC2

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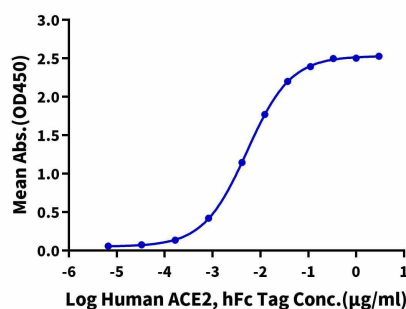
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Tris-Bis PAGE



ELISA

SARS-CoV-2 Spike RBD (Omicron BA.2.74), His Tag ELISA
0.05µg SARS-CoV-2 Spike RBD (Omicron BA.2.74), His Tag Per Well



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